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Search completed: November 21, 2006, 19:53:16 Job time : 378 secs
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                                                                                                                                                                                                                                                                                                                                          Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.; "Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                      PTM: Major plasma membrane substrate for cAMP-dependent protein kinase (PK-A) and protein kinase C (PK-C) in several different tissues (By similarity). Phosphorylated in response to insulin and
                                                                                                                                                          heart. Moderate levels in brain, placenta, lung, liver, pancreas, uterus, bladder, prostate, small intestine and colon with mucosal lining. Very low levels in Kidney, colon and small intestine without mucosa, prostate without endothelial lining, spleen, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2; Gaps
                                               Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
-!- FUNCTION: Induces a hyperpolarization-activated chloride current
when expressed in Xenopus oocytes. May have a functional role in
muscle contraction.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Chloride; Chloride channel; Ion transport; Ionic channel; Membrane; Phosphorylation; Signal; Transmembrane; Transport. SIGNAL BY SIMILATICY.
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                                                                                                                               protein.
TISSUE SPECIFICITY: Highest expression in skeletal muscle and
                                                                                                              SUBCELLULAR LOCATION: Membrane; single-pass type I membrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Phosphoserine (by PKA and PKC) Phosphoserine (by PKA).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Score 129; DB 1; Length 92
; Pred. No. 8.9e-06;
15; Mismatches 20; Indels
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Extracellular (Potential).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19-JUL-2005, integrated into UniProtKB/TrEMBL.
19-JUL-2005, sequence version 1.
07-FBE-2006, entry version 4.
Chromosome 8 SCAF15119, whole genome shotgun sequence.
ORFNames=GSTENG00035334001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11602EFEAFFD8BD8 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cytoplasmic (Potential)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GO; GO:0005887; C:integral to plasma membrane; TAS. GO; GO:0005886; C:plasma membrane; NAS. GO; GO:0005884; F:chloride channel activity; TAS. GO; GO:0006821; P:chloride transport; TAS. GO; GO:0006936; P:muscle contraction; TAS. InterPro; IPR000272; FXYD.
                           and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    S -> P (in Ref. 1)
G -> H (in Ref. 1)

    -!- SIMILARITY: Belongs to the FXYD family.

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Lemman
                                                                                                                                                                                                                                                                                                                                                                                                        EMBL; BC032800; AAH32800.1; -; mRNA.
Ensembl; ENSG00000126258; Homo sapiens.
HGNC; HGNC:4025; FXYD1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Potential
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pfam; PF02038; ATPIGI PLM MAT8; 1.
PROSITE; PS01310; FXYD; 1.
                                                                                                                                                                                                                                                                                                                                                                                         EMBL; U72245; AAC51286.1; -; mRNA
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                                                                                                                                                                                                                                                                                            adrenergic stimulation.
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56
92
83
88
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Q4RFG2;
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CONFLICT
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Matches
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Nucleoline Section 1. 10.1038/nature03025;

Authorn O., Aury J.-M., Brunet F., Petit J.-L., Stange-Thomann N., Jaillon O., Aury J.-M., Brunet F., Petit J.-L., Stange-Thomann N., Macueli E., Bouneau L., Fischer C., Ozouf-Cozlaz C., Bernot A., Moraud S., Jaffe D., Fischer S., Lutfalla G., Dossat C., Segurens B., Dasilva C., Salanoubat M., Levy M., Boudet N., Castellano S., Anthousat V., Jubin C., Castelli V., Katinka M., Vacherie B., Anthousat V., Salanoubat M., Levy M., Boulain J., De Berardinis V., A Biemont C., Skalli Z., Cattolico L., Poulain J., De Berardinis V., A Parra G., Lardier G., Chapple C., McKernan K.J., McEwan P., Bosak S., A. Fellis M., Volff J.-M., Guigo R., Zody M.C., Mesirov J., Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M., Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M., Lindblad-Toh K., Schachter V., Guetier F., Saurin W., Scarpelli C., Micker P., Lander E.S., Weissenbach J., Roest Crollius H., "Genome duplication in the teleost fish Tetraodon nigroviridis reveals
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            62
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5 TLALLL - LAGLTALEANDPFANKDDPFYYDWKNLQLSGLICGGLLAIAGIAAVLSGKCK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4 TCALLIMILASLAAABEHSP---EDDPFTFDYHRLRVGGLILAAVLCLIGIMILLSGRCR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Actinopterygii; Neopterygii; Peleostei; Buteleostei; Neoteleostei; Acanthomorpha; Acanthomorpha; Acanthomorpha; Percomorpha; Tetraodontiformes; Tetraodontoidea; Tetraodon.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE.
Genoscope, Whitehead Institute Centre for Genome Research;
Genoscope, Whitehead Institute Centre for Genome Research;
Submitted (FRB-2004) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is preliminary data.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7067B36D3574AA13 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EMBL; CAAE01015119; CAG12870.1; -; Genomic_DNA.
GO; GO:00161200; C:membrane; IEA.
GO; GO:00005216; F:ion channel activity; IEA.
GO; GO:0006811; P:ion transport; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  the early vertebrate proto-karyotype."; Nature 431:946-957(2004).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             88 AA; 9614 MW;
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regulator 1)
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000168;
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         SEARCHE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J., Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H., Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A., Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A., Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., Blakeeley R.W., Touchman J.W., Green E.D., Dickson M.C., Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Schein J.S., Soners R.M., Schein J.B., Sohnerch A., Schein J.B., Sones S.J.M., Marra M.A., Schein J.B., Sones S.J.M., Marra M.A., Right Human M. Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUCLEOTIDE SEQUENCE.
STRAIN=FVB/N; TISSUE=Mammary tumor. Metallothionien-TGF alpha model.
10 month old virgin mouse. Taken by biopsy.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRAIN-Crossbred x Angus; TISSUE-Liver;
Moore S., Alexander L., Brownstein M., Guan L., Lobo S., Meng Y.,
Tanaguchi M., Wang Z., Yu J., Prange C., Schreiber K., Shenmen C.,
Wagner L., Bala M., Barbazuk S., Barber S., Babakaiff R., Beland J.,
Chun E., Del Rio L., Gibson S., Hanson R., Kirkpatrick R., Liu J.,
Matsuo C., Mayo M., Sancos R.R., Stott J., Tsai M., Wong D.,
Siddiqui A., Holt R., Jones S.J., Marra M.A.;
Submitted (AUG-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Ruminantia;
Pecora; Bovidae; Bovinae; Bos.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 2; Length 70;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Submitted (APR-2003) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DITECPTO; IPR000272; FXYD.
Pfam; PF02038; ATP1G1 PLM MAT8; 1.
PROSITE; PS01310; FXXD; 1.
SEQUENCE 70 AA; 7773 MW; AB2A5EAF1490BF08 CRC64;
                                                                                                                                                                                                                                                                                                                                                       and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         44.0%; Score 203; DB 2; 59.4%; Pred. No. 8e-14;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   92 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EMBL; BC051033; AAH51033.1; -; mRNA.
Ensembl; ENSMUSGO000057092; Mus musculus.
MGI; MGI:107497; Fxyd3.
GO; GO:0005615; C:extracellular space; RCA.
GO; GO:0016021; C:integral to membrane; RCA.
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es 41; Conserv
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Q3SZXO BOVIN
Q3SZXO;
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23.62X0

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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIINE=97312702; PubMed=9169143; DOI=10.1006/geno.1997.4665; Chen L.-S.K., Lo C.F., Numann R., Cuddy M.; "Characterization of the human and rat phospholemman (PLM) cDNAs and localization of the human PLM gene to chromosome 19q13.1."; Genomics 41:435-443(1997).
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"The FXYD gene family of small ion transport regulators or channels:
CDNA sequence, protein signature sequence, and expression.";
Genomics 68:41-56(2000).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           30-AUG-2002, sequence version 2.
07-FEB-2006, entry version 47.
Phospholemman precursor (FXYD domain-containing ion transport
                                                                                                                                                                                                                                                                                                              Length 92;
                                                                                                                                                                                                              Hypothetical protein.
SEQUENCE 92 AA; 10447 MW; 42244DD050C60A3B CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-JUL-1998, integrated into UniProtKB/Swiss-Prot.
                                                                                                                                                                                                                                                                                    28.5%; Score 131.5; DB 2; 38.2%; Pred. No. 4.8e-06; Niematches 28;
EMBL; BC102671; AA102672.1; -; mRNA.
GO; GO:0016020; c:membrane | IEA.
GO; GO:0005216; F:ion channel activity; IEA.
GO; GO:0006811; P:ion transport; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA].
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRT;
                                                                                                                InterPro; IPR000272; FXYD.
Pfam, PF02038; ATP1G1 PLM MAT8; 1.
PROSITE; PS01310; FXXD; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                61 CKYKSSOKOHSPVPEK 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUCLEOTIDE SEQUENCE [MRNA].
TISSUE=Heart;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUCLEOTIDE SEQUENCE [MRNA]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   60 CRCKFNQQQRTGEPDE
                                                                                                                                                                                                                                                                                                                                           Local Similarity 38.2%
nes 29; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Name=FXYD1; Synonyms=PLM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NCBI_TaxID=9606;
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4.
                                                                                                                                                                                                                                                                                                                      59
                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                             Cytoplasmic (Potential).
Missing (in Ref. 2).
S -> SEWRSSGEQAGRGWGSPPLTTQLSPTG (in Ref.
                                                                                                                                                                                                                                                                                                               1 MERVTLALLL-LAGLTALEANDPFANKDDPFYYDWKNLQLSGLICGGLLAIAGIAAVLSG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TISSUE=White Matter pool- 5 brain tissues- femoral artery;
MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
Altschul S.F., Zeeberg B., Buerow K.H., Schaefer C.F., Bhat N.K.,
Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
                                                                                                                                                                                                                                                                                     5; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Donor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kalnine N., Chen X., Rolfs A., Halleck A., Hines L., Eisenstein S., Kounding M., Raphael J., Moreira D., Kelley T., LaBaer J., Lin Y., Phelan M., Farmer A.; "Cloning of human full-length CDSs in BD Creator(TM) System Donor
               Chloride channel; Ion transport; Ionic channel; Membrane;
                                                              FXYD domain-containing ion transport regulator 3. FYId==PRO 000010362. Extracellular (Potential).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Neubert P., Schatten R., Henze S., Korn B.; to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FXYD3 protein (FXYD domain containing ion transport regulator 3,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Halleck A., Ebert L., Mkoundinya M., Schick M., Eisenstein S., Neubert P., Kstrang K., Schatten R., Shen B., Henze S., Mar W., Korn B., Zuo D., Hu Y., LaBaer J.; Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                    DB 1; Length 87;
                                                                                                                                                                                                                                                ch 46.5%; Score 214.5; DB 1; Length Similarity 54.5%; Pred. No. 5.9e-15; 48; Conservative 11; Mismatches 24; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                  6D674D668EB32493 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10-MAY-2005, integrated into UniProtKB/TrEMBL. 10-MAY-2005, sequence version 1. 07-FEB-2006, entry version 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        87 AA
                                                                                                                                                                                                                                                                                                                                                                                    60 KCKYKSSOKO-HSPVPEKAIPLITPGSA 86
                                                                                                                                                                                                                                                                                                                                                                                                                    60 KCKCKFGQKSGHH--PGETPPLITPGSA 85
                                                  Potential
                                                                                                                                  Potential
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      QEIBS9_HUMAN PRELIMINARY; PRT;
               Chloride, Chloride channel; Ion t
Signal; Transmembrane; Transport.
                                                                                                                                                                                                                  9263 MW:
PROSITE; PS01310; FXYD; 1.
                                                  20
87
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87
87
58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens (Human).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ebert L., Schick M.,
Submitted (JUN-2004)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUCLEOTIDE SEQUENCE.
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                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                  87 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Name=FXYD3;
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TRANSMEM
TOPO DOM
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                                                                                                                                                              CONFLICT
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                                                  SIGNAL
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1 MERVTLALLL-LAGLTALEANDPFANKDDPFYYDWKNLQLSGLICGGLLAIAGIAAVLSG 59
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Distributed under the Creative Commons Attribution-NoDerivs License
Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H., Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A., Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A., Whiting M., Madan A., Young A.C., Shevchenko Y., Bonffard G.G., Blackeley R.W. Touchman J.W., Green E.D., Dickson M.C., Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Schein J.S.N., Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E., Jones S.J.M., Marra M.A., Schein J.E., Jones S.J.M., Marra M.A., Schein J.E., Jones S.J.M., Marra M.A., Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUCLECTIDE SEQUENCE.
STRAIN-FVB/N; TISSUE-Mammary tumor. Metallothionien-TGF alpha model.
STRAIN-FVB/N; TISSUE-Mammary tumor. Metallothionien-TGF alpha model.
O month old virgin mouse. Taken by biopsy;
MEDLINE-22388257; PubMed-12477932; DOI=10.1073/pnas.242603899;
Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mus musculus (Mouse).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Muridae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2
                                                                                                                                                                                                                                                                                                  TISSUE=White Matter pool- 5 brain tissues- femoral artery; Director MGC Project; Submitted (FEB-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     46.5%; Score 214.5; DB 2; Length 54.5%; Pred. No. 5.9e-15; Live 11; Mismatches 24; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            87 AA; 9263 MW; 6D674D668EB32493 CRC64;
                                                                                                                                                                                                                                      Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-UUN-2003, integrated into UniProtKB/TrEMBL. 01-UUN-2003, sequence version 1. 07-FEB-2006, entry version 13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    EMBL; CR456945; CAG33226.1; -; mRNA.
EMBL; CR642197; CAG46994.1; -; mRNA.
EMBL; BT006712; AAP3538.1; -; mRNA.
EMBL; BC090044; AAH90044.1; -; mRNA.
Ensembl; ENSG0000009356; Homo saplens.
GO; GO:0016020; C:membrane; IEA.
GO; GO:001620; F:ion channel activity; IEA.
GO; GO:0006211; P:ion transport; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             60 KCKYKSSQKQ-HSPVPEKAIPLITPGSA 86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          60 KCKCKFGQKSGHH--PGETPPLITPGSA 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              InterPro; IPR000272; FXYD.
Pfam; PF02038; ATP1G1 PLM MAT8; 1.
PROSITE; PS01310; FXYD; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  QBOUV3_MOUSE PRELIMINARY;
                                                                                                                                                                                                                  and mouse cDNA sequences."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 54.5%
Matches 48; Conservative
                                                                                                                                                                                                                                                                                NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Fxyd3 protein.
Name=Fxyd3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOUSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    QBOUV3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms
Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3; Gaps
                                                                              23-JAN'-2002, integrated into UniProtKB/Swiss-Prot.
01-MX7-1999, sequence version 1.
01-FXP domain-containing ion transport regulator 3 precursor (Chloride conductance inducer protein Mat-8) (Mammary tumor 8 KDa protein).
Name-FXYD3; Synonyms-MAT8;
Sus scrofa (Pig).
                                                                                                                                                                                                                MEDLINE-99140476; PubMed=10206733; Maeda M., Hamano K., Hirano Y., Suzuki M., Takahashi E., Terada T., Futai M., Sato R.; Hirano Y., Suzuki M., Takahashi E., Terada T., "Structures of P-type transporting ATPases and chromosomal locations of their genes."; Cell Struct. 23:315-323(1998).
                                                                                                                                                                                                                                                                      Cell Struct. Punct. 23:315-323(1998).
-!- FUNCTION: Induces a hyperpolarization-activated chloride current when expressed in Xenopus ocytes. May be a modulator capable of activating endogenous ocyte channels.
-!- SUBCELLULAR LOCATION: Membrane; single-pass type I membrane
                                                                                                                                                                                                                                                                                                                                                                                  EMBL, AB015759, BAA35078.1, -; mRNA.
InterPro, IPR000272, FXYD.
Effan; PF02038, AF1014 PLM MAT8, 1.
PROSITE; PS01310, FXYD.
Chloride, Chloride channel; Ion transport; Ionic channel; Membrane;
                                                                                                                                                  Eukaryota; Metāzoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Laurasiatheria; Cetartiodactyla; Suina; Suidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                              Potential.
FXYD domain-containing ion transport
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 230.5; DB 1; Length 88;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                regulator 3.
/FTId=PRO 0000010364.
Extracellular (Potential).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Cytoplasmic (Potential).
6CC7810B90512E5A CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 014802; Q13211;
2-JUL-1998, integrated into UniProtKB/Swiss-Prot.
01-NOV-1996, sequence version 1.
07-FEB-2006, entry version 48.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pred. No. 1.2e-16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          87 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10; Mismatches
                                                            88 AA
                                                                                                                                                                                                                                                                                                                         protein (Potential).
-!- SIMILARITY: Belongs to the FXYD family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     60 KCKYKSSOKOHSPVPEKAIPLITPGSATTC 89
60 KCKCKFSQKP-SHRPGDAPPLITPGSAHDC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Potential
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRT;
                                                            PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                             Signal; Transmembrane; Transport.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      38
59
88
9314 MW;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                57.8%;
                                                                                                                                                                                                   NUCLEOTIDE SEQUENCE [MRNA].
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          52; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STANDARD;
                                                            STANDARD;
                                                                                                                                                                                                               TISSUE=Gastric mucosa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18
39
60
88 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
Matches 52; Conser
                                                                                                                                                                                  NCBI_TaxID=9823;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EXYD3_HUMAN
                                                           FXYD3 PIG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPO DOM
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPO DOM
TRANSMEM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                     . 767760
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HUMAN
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                                         RESULT 9
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                                                   FXYD3_
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TISSUB-UTINARY DIAGRET, TAKENS, SCALE FACAN, G.

TISSUB-UTINARY DIAGRET, THE SCALE FACAN, G.

TISSUB-UTINARY DIAGRET, THE SCALE FACAN, DETGE J. G.

TISSUB-UTINARY DIAGRET, THE SCALE D. G. D. SCHULER G.D., ALGEBRE R.D., COLLINS F.S., WAGGE L.H., DETGE J.G., Schuler G.D., Altschul S.F., Zeeberg B., Buctow K.H., Schaefer C.F., Bhat N.K., Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Haith F., Diatchenko, D., Marusina K., Farmer A.A., Rubin G.M., Hong L., Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E., Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C., Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J., Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Guaratne P.H., Richards S., Worley K.J., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A., Petton B., Ketteman M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C., Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E., Rohnerch A., Schein J.E., Jones S.J.M., Marra M.A.;

"Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms
Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein (Potential).
-!- TISSUE SPECIFICITY: Expressed in a subset of human breast tumors.
-!- MISCELLANEOUS: Marker of a cell type preferentially transformed by
                                                                                                                                                                                         Homo sapiens (Human).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Buarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TISSUE=Mammary gland;
MEDLINE=95138184; PubMed=7836447; DOI=10.1074/jbc.270.15.8571;
Morrison B.W., Moorman J.R., Kowdley G.C., Kobayashi Y.M., Jones L.R.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Mat-6", a novel phospholemman-like protein expressed in human breast tumors, induces a chloride conductance in Xenopus oocytes."; J. Biol. Chem. 270:2176-2182(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        and mouse CDNA sequences.";

Proc. Natl. Acad. SGi. U.S.A.

-!- FUNCTION: Induces a hyperpolarization-activated chloride current

when expressed in Xenopus occytes. May be a modulator capable of
FXYD domain-containing ion transport regulator 3 precursor (Chloride conductance inducer protein Mat-8) (Mammary tumor 8 kDa protein) (Phospholemman-like).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         activating endogenous oocyte channels.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TISSUE=Lung carcinoma;
Lei W., Wu M.;
Submitted (JUL-1995) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MIM; 604996; gene.
GO; GO:0005887; C:integral to plasma membrane; TAS.
GO; GO:0005254; F:chloride channel activity; TAS.
GO; GO:0006821; P:chloride transport; TAS.
InterPro; IPR000272; FXYD.
Pfam; PF02038; ATP1G1_PLM_MAT8; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -!- SIMILARITY: Belongs to the FXYD family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ensembl; ENSG00000089356; Homo sapiens.
H-InvDB; HIX0018290; -.
HGNC; HGNC:4027; FXYD3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       [LARGE SCALE MRNA].
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL; X93036; CAA63604.1; -; mRNA.
EMBL; U28249; AAA73922.1; -; mRNA.
EMBL; BC005238; AAH05238.1; -; mRNA.
                                                                                                                                            Name=FXYD3; Synonyms=MAT8, PLML;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  neu or ras oncoprotein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUCLEOTIDE SEQUENCE [MRNA].
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUCLEOTIDE SEQUENCE [MRNA] .
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                            CBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Leder P.;
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3,

3; Gaps

24; Indels

11; Mismatches

Conservative

52;

Matches

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Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
Fleischmann W., Gaasterland T., Gissi C., King B., Kochiwa H., Kuehl P., Lewis S., Matsuc Y., Nikaido I., Pesole G., Quackenbush J., Schriml L.M., Staubli F., Suzuki R., Tomita M., Wagner L., Washio T., Sakai K., Okido T., Erunno M., Anon H., Baldarelli R., Barsh G., Blake J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.F., Blownstein M.J., Bult C., Fletcher C., Fujita M., Gariboldi M., Gustincich S., Hill D., Hofmann M., Hume D.A., Kamiya M., Lee N.H., Lyons P., Marchionni L., Mashima J., Mazzarelli J., Mombaerts P., Nordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N., Sasaki H., Sato K., Schoenbach C., Seya T., Shibata Y., Storch K.-F., Suzuki H., Toyo-oka K., Wanng K.H., Weitz C., Whittaker C., Wilming L., Wynshaw-Boris A., Yoshida K., Hasegawa Y., Kawaji H., Kohtsuki S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M., Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.; Shibata K., Itoh M., "Normalization and subbraction of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new genes."; Genome Res. 10:1617-1630(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TISSUE=Mammary gland;
Arakawa T., Carninci P., Fukuda S., Hashizume W., Hayashida K.,
Hori F., Iida J., Imamura K., Imotani K., Itoh M., Kanagawa S.,
Kawai J., Kojima M., Konno H., Murata M., Nakamura M., Ninomiya N.,
Nishiyori H., Nomura K., Ohno M., Sakazume N., Sano H., Sasaki D.,
Shibata K., Shiraki T., Tagami M., Tagami Y., Waki K., Watahiki A.,
Muramatsu M., Hayashizaki Y.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TISSUE-Mammary gland;
Arakawa T., Carninci P., Fukuda S., Hashizume W., Hayashida K.,
Arakawa T., Carninci P., Fukuda S., Hashizume W., Kanagawa S.,
Kawai J., Kojima M., Romno H., Murata M., Nakamura M., Ninomiya N.,
Nishiyori H., Nomura K., Ohno M., Sakazume N., Sano H., Sasaki D.,
Shibata K., Shiraki T., Tagami M., Tagami Y., Waki K., Watahiki A.,
Muramatsu M., Hayashizaki Y.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE-20530913; PubMed=11076861; DOI=10.1101/gr.152600; Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P., Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P., Skonno H., Akiyama J., Nishi K., Hatennai T., Tashiro H., Itoh M., Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A., Yamanoto R., Matennoto H., Sakaguchi S., Ikegami T., Kashiwagi K., Fujiwake S., Inoue K., Togawa M., Ohara E., Watahiki M., Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J., Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.; "RIKEN integrated sequence analysis (RISA) system-384-format Genome Res. 10:1757-1771(2000).
                                                                                                                                                                                                                                                                                                                           "Functional annotation of a full-length mouse cDNA collection.";
                                                                                                                                                                                                                                                                                                                                                                                                                          TISSUE=Mammary gland;
MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Submitted (APR-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Submitted (MAR-2004) to the EMBL/GenBank/DDBJ databases.
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EMBL, AK165206; BAE36269.1; -; mRNA.
GO; GO:0005615; C:extracellular space; RCA.
GO; GO:0016021; C:integral to membrane; RCA.
InterPro; IRF000022; EXYD.
Pfem; PF02038; ATP1G1 PLM MAT8; 1.
PROSITE; PS01310; FXYD; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9526 MW;
                                                                                                                                                                                                                                                                                                                                                     Nature 409:685-690(2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE
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                                                                                                                                                                                                                                                                                                       Hayashizaki Y.;
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DB 2; Length 88;

Score 241.5; DB 2 Pred. No. 7.6e-18;

52.4%;

Best Local Similarity

Query Match

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'n
29
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                59
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Distributed under the Creative Commons Attribution-NoDerivs License
1 MERVILALL-LLAGLIALEANDPFANKDDPFYYDWKNLQLSGLICGGLLAIAGIAAVLSG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 MERVILALL-LLAGLTALEANDPFANKDDPFYYDWKNLQLSGLICGGLLAIAGIAAVLSG
                                                                                                                                                                                                                                                                                 Rattus norvegicus (Rat).
Bukaryota, Metazao; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Murinae; Murinae; Rattus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cDNA sequence, protein signature sequence, and expression.";
Genomics 68:41-56(2000).
-!- FUNCTION: Induces a hyperpolarization-activated chloride current when expressed in Xenopus occytes. May be a modulator capable of activating endogenous occyte channels.
-!- SUBCELLULAR LOCATION: Membrane; single-pass type I membrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                         RECONSTRUCTION FROM ESTS, AND CONCEPTUAL TRANSLATION.
MEDLINE-2040885; Pubmed=10950925; DOI=10.1006/geno.2000.6274;
Meadner K.J., Rael E.;
"The FXYD gene family of small ion transport regulators or channels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FXYD domain-containing ion transport
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ion transport; Ionic channel; Membrane; Signal; Transmembrane; SIGNAL 1 20 Potential.
                                                                                                                                                                                                                                                                                                                                                                      li.)
NUCLEOTIDE SEQUENCE [MRNA].
I.ee N.H., Glodek A., Chandra I., Mason T.M., Quackenbush J.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 1; Length 88;
                                                                                                                                                                                                                                                   FXYD domain-containing ion transport regulator 3 precursor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26; Indels
                                                                                                                                                                                                                                                                                                                                                                                           Lee N.H., Glodek A., Chandra I., Mason T.M., Quackenbush
Kerlavage A.R., Adams M.D.;
Submitted (FEB-1998) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Extracellular (Potential).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cytoplasmic (Potential). 45AFE872FD1AF944 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     regulator 3.
/FTId=PRO_0000010365
                                                                                                                                                                                                    30-APR-2003, integrated into UniProtKB/Swiss-Prot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL; AA801365; -; NOT ANNOTATED CDS; mRNA.
Ensembl; ENSRNOG0000021095; Rattus norvegicus.
RGD; 620825; Fxyd3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 Similarity 56.7%; Pred. No. 4.3e-17
51; Conservative 10; Mismatches 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -!- SIMILARITY: Belongs to the FXYD family.
                                                              60 KCKYKSSQKQHSPVPEKAIPLITPGSATTC 89
                                                                              60 KCKYKSSQKQHSPVPEKAIPLITPGSATTC 89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 50.9%; Score 234.5; 56.7%; Pred. No. 4.3
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                                                                                                                                                                     PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INTERFIC; IPRO00272; FXYD.
Pfam; PF02038; ATP1G1 PLM MAT8; 1.
PROSITE; PS01310; FXYD; 1.
                                                                                                                                                                                                                    30-APR-2003, sequence version 1. 07-FEB-2006, entry version 23.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9411 MW;
                                                                                                                                                                     STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein (Potential).
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88
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39
60
88 AA;
                                                                                                                                                                                                                                                                                                                                            NCBI_TaxID=10116;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21
                                                                                                                                                                                                                                                                    Name=Fxyd3;
                                                                                                                                                                      FXYD3 RAT
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SEQUENCE
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TRANSMEM
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Best Local
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A Carninci D., Kasukawa T., Katayama S., Gough J., Frith M.C., Maeda N., A Oyama R., Ravasi T., Lenhard B., Wells C., Kodzius R., Shimokawa K., An Oyama R., Ravasi T., Lenhard B., Wells C., Kodzius R., Shimokawa K., Bajic V.B., Brenner S.E., Batalov S., Forrest A.R., Zavolan M., Bajic V.B., Brenner S.E., Aldinis V., Allen J.E.,
A mabes-Impiombato A., Apweller R., Aturaliya R.N., Balley T.L.,
Bansal M., Baxter L., Beisel K.W., Bersano T., Bono H., Chalk A.M.,
A manes-Impiombato A., Apweller R., Aturaliya R.N., Balley T.L.,
Bansal M., Baxter L., Reisel K.W., Bersano T., Bono H., Chalk A.M.,
Crowe M.L., Dalla E., Dalrymple B.P., Ge Bono B., Della Gatta G.,
Al Bernardo D., Down T., Engerrom P., Fagiolini M., Faulkner G.,
A Betcher C.F., Fukushima T., Furuno M., Futakai S., Gariboldi M.,
Ceowe M.L., Barbers M., Hayashi Y., Hensch T.K., Hirokawa N.,
Alli D., Huminiecki L., Iacono M., Ikeo K., Iwama A., Ishikawa T.,
Jakt M., Kanapin A., Katoh M., Kawasawa Y., Kruger A., Kummerfeld S.K.,
Kutano H., Kollias G., Krishnan S.P., Kruger A., Kummerfeld S.K.,
Kurcchkin I.V., Lareau b.F., Lazarevic D., Lipovich L., Liu J.,
                                                                                                                                                                                                                                                                   1 MERVTLALL-LLAGLTALEANDPFANKDDPFYYDWKNLQLSGLICGGLLAIAGIAAVLSG 59
                                                                                                                                                                                                                                                                                              1 MQEVVLSLLVLLAGLPTLDANDP-ENKNDPFYYDWYSLRVGGLICAGILCALGIIVLMSG 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                   11-0CT-2005, integrated into UniProtKB/TrEMBL.
11-0CT-2005, sequence version 1.
07-FEB-2006, entry version 5.
Mammary 2land RCB-0527 Jyg-WC(B) cDNA, RIKEN full-length enriched library, clone:G930017D12 product:FXYD domain-containing ion transport regulator 3, full insert sequence (Mammary gland RCB-0527 Jyg-MC(B) cDNA, RIKEN full-length enriched library, clone:G930019M21 product:FXYD domain-containing ion transport regulator 3, full insert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Buarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                         3; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TISSUE-Mammary gland;
MEDLINE-99279253; PubMed-10349636; DOI-10.1016/S0076-6879(99)03004-9;
           InterPro; IPR000272; FXYD.
Edan, PR0038; ATP101 PLM MAT8; 1.
PR0SITE; PS01310; FXT01
Chloride; Chloride channel; Ion transport; Ionic channel; Membrane;
                                                                                              FXYD domain-containing ion transport regulator 3. /FIId=PRO 0000010363.
                                                                                                                                                                                                             DB 1; Length 88;
                                                                                                                                                                                                         Query Match 52.4%; Score 241.5; DB 1; Length Best Local Similarity 57.8%; Pred. No. 7.6e-18; Matches 52; Conservative 11; Mismatches 24; Indels
                                                                                                                                    Extracellular (Potential).
                                                                                                                                                                   Cytoplasmic (Potential). 9CD61684B856E35D CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TISSUE-Mammary gland;
PubMed=16141072; DOI=10.1126/science.1112014;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Carninci P., Hayashizaki Y.;
"High-efficiency full-length cDNA cloning.";
Methods Enzymol. 303:19-44(1999).
                                                                                                                                                                                                                                                                                                                                                                                                                           88 AA.
GO; GO:0016021; C:integral to membrane; TAS
                                                                                                                                                                                                                                                                                                                                           60 KCKCKFRQKP-SHRPGEGPPLITPGSAHNC 88
                                                                                                                                                                                                                                                                                                                           60 KCKYKSSQKQHSPVPEKAIPLITPGSATTC 89
                                                                                 Potential.
                                                                                                                                                       Potential
                                                                                                                                                                                                                                                                                                                                                                                                                           PRELIMINARY; PRT;
                                        Chloride, Chloride channel; Ion t
Signal; Transmembrane; Transport.
SIGNAL
                                                                                                                                                                                9526 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      sequence).
Mus musculus (Mouse)
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                                                                                                                                       21
39
60
88 AA;
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Q3TLM3;
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TRANSMEM
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Mericago I. Warthillan S., Weltlian S., Makela Babu M. Waetes M. Warthillan S., Weltlian S., Weltlian S., Weltlian S., Weltlian S., Walthillan S., Weltlian S., Walthillan S., Weltlian M. Makan S., Walthillan S., Walt

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EXPRESSION
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                          -:- SUBCELLULAR LOCATION: Membrane; single-pass type I membrane protein (Potential).
-:- TISSUE SPECIFICITY: Selectively present in the distal parts of the nephron (medullary and papillary collecting ducts and end portions of cortical collecting tubule) and in the epithelial cells of the distal colon. No expression is found in renal proximal tubule, loop of henle and distal tubule, proximal colon, small intestine, lung, choroid plexus, salivary glands, or brain.
-:- INDUCTION: By corticosteroids.
-:- SIMILARITY: Belongs to the FXYD family.
                                   Rattus norvegicus (Rat).
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Buarchontoglires, Glires, Rodentia, Sciurognathi,
Muroidea, Muridae, Murinae, Rattus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 MERVILA-LILLAGLIALEANDPFANKDDPFYYDWKNLQLSGLICGGLLAIAGIAAVLSG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            7; Gaps
                                                                                                                                                                                                                                                                                                                                              "Cellular localization and regulation of CHIF in kidney and colon:";
                                                                                                                                                                                                                                                                                                                                                              Am. J. Physiol. 271:C753-C762 (1996).
-!- FUNCTION: Induces a potassium channel when expressed in Xenopus
                                                                                                                                                     STRAIN=Wistar; TISSUE=Colon;
MEDLINE=95320221; PubMed=7597086;
Attali B., Latter H., Rachamim N., Garty H.;
"A corticosteroid-induced gene expressing an 'IsK-like' K+ channel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FXYD domain-containing ion transport
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ion transport; Ionic channel; Membrane; Signal; Transmembrane;
                                                                                                                                                                                                                                                                                                              Capurro C., Coutry N., Bonvalet J.-P., Escoubet B., Garty H.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 1; Length 87;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11; Mismatches 17; Indels
inducing factor) (CHIF) (Corticosteroid-induced protein)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Extracellular (Potential)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cytoplasmic (Potential). SD0DE1FFC6B1BCCA CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PIR; I59391; I59391.
Ensembl; ENSRNOG0000014578; Rattus norvegicus.
Ensembl; ENSRNOG0000014578; Rattus norvegicus.
Ensembl; ENSRNOG0000014578; Rattus norvegicus.
GO; GO:0005267; F:potassium channel activity; IDA.
InterPro; IPR000272; FXYD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   regulator 4.
/FTId=PRO 0000010368.
                                                                                                                                                                                                                            activity in Xenopus oocytes.";
Proc. Natl. Acad. Sci. U.S.A. 92:6092-6096(1995)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 256.5; DB 1 Pred. No. 1.9e-19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           60 KCKYKSSQKQHSP--VPEKAIPLITPGSATT 88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           60 KCK---CRRNHTPSSLPEKVTPLITPGSAST 87
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Potential.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EMBL; L41254; AAA74691.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pfam; PF02038; ATP1G1 PLM MAT8; 1.
PROSITE; PS01310; FXYD; 1.
                                                                                                                                                                                                                                                                                          MEDLINE=97000648; PubMed=8843704;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       55.6%;
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                                                                                                                                       NUCLEOTIDE SEQUENCE [MRNA]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         56; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20
87
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59
87
                                                                                                                                                                                                                                                                              TISSUE SPECIFICITY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Similarity
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39
60
87 AA;
                                                                                                     NCBI_TaxID=10116;
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                                                                                                                                                                                                                                                                                                                              Farman N.;
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TRANSMEM
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SEQUENCE
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88 AA.

PRT;

STANDARD;

FXYD3 MOUSE ID FXYD3_MOUSE

RESULT 6

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MEDINE=2218825; PubMed=12477932; DOI=10.1073/pnas.242603899; MEDINE=2218825; PubMed=12477932; DOI=10.1073/pnas.242603899; Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G., Schuler G.D., Altschul S.F., Zeeberg B., Buetcw K.H., Schaefer C.F., Bhat N.K., Altschul S.F., Zeeberg B., Buetcw K.H., Schaefer C.F., Bhat N.K., Altschul S.F., Zeeberg B., Buetcw K.H., Schaefer C.F., Bhat N.K., Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F., Stapleton M., Soares M.B., Toshiyuki S.I., Wang J., Hong L., Stapleton M., Soares M.B., Toshiyuki S., Carninci P., Prange C., As Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J., Briaton B.J., McKernan K.J., Malek J.A., Gunzatne P.H., Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Yillalon D.K., Muzny D.M., Sodergren B.J., Lu X., Gibbs R.A., Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A., Whiting M., Madan A., Young A.C., Schechenko Y., Boulfard G.G., Abthird M., Touchman J.W., Garen B.D., Dickson M.C., Abthereby R.W., Touchman J.W., Garen E.D., Dickson M.C., Abthereby R.W., Touchman J.W., Schmutz J., Myers R.M., Schein J.S., Jones S.J.M., Marra M.A., Schein J.B., Jones B.J., Jones S.J.M., Marra M.A., Schein J.B., Jones B.J., Jon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms
Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                           NUCLEOTIDE SEQUENCE [MRNA].
STRAIN=FVB/N; TISSUE=Mammary gland;
MEDLINE=95060797; PubMed=7970700;
Morison B.W., Leder P. Withe mammary tumors that share genetic markers generally absent in c-myc and int-2-initiated tumors.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Mat-8, a novel phospholemman-like protein expressed in human breast tumors, induces a chloride conductance in Xenopus oocytes."; J. Biol. Chem. 270:2176-2182(1995).

-!- FUNCTION: Induces a hyperpolarization-activated chloride current when expressed in Xenopus oocytes. May be a modulator capable of activating endogenous oocyte channels.
-!- SUBCELLULAR LOCATION: Membrane; single-pass type I membrane protein (Potential).
-!- TISSUE SPECIFICITY: Expressed in a subset of murine breast tumors.
-!- MISCELLANBOUS: Marker of a cell type preferentially transformed by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDLINE=95138184; PubMed=7836447; DOI=10.1074/jbc.270.15.8571;
Morrison B.W., Moorman J.R., Kowdley G.C., Kobayashi Y.M., Jones L.R.,
                                                                                                                                                                                                                                                                           Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Muridae; Murinae; Mus.
                                                                                                             rt regulator 3 precursor (Chloride (Mammary tumor 8 kDa protein)
                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
                       15-JUL-1998, integrated into UniProtKB/Swiss-Prot.
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-!- SIMILARITY: Belongs to the FXYD family.
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Ensembl; ENSMUSG00000057092; Mus musculus.
MGI; MGI:107497; Fxyd3.
GO; GO:0005615; C:extracellular space; TAS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUCLEOTIDE SEQUENCE (LARGE SCALE MRNA).
                                                                                                             FXYD domain-containing ion transport
conductance inducer protein Mat-8) (M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBL; BC002039; AAH02039.1; -; mRNA.
EMBL; BC056223; AAH56223.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EMBL; X93038; CAA63606.1; -; mRNA.
                                                  01-NOV-1996, sequence version 1.
07-FEB-2006, entry version 49.
                                                                                                                                                                                             Name=Fxyd3; Synonyms=Mat8, Plml;
Mus musculus (Mouse).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Oncogene 9:3417-3426(1994).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   mouse cDNA sequences.
                                                                                                                                                                      Phospholemman-like)
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RESULT
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                  1 MERVTLALLILAGLTALEANDPFANKDDPFYYDWKNLQLSGLICGGLLAIAGIAAVLSGK 60
MERVTLALLLLAGITALEANDPFANKDDPFYYDWKNLQLSGLICGGLLAIAGIAAVLSGK
                                                                                                                                                                                                                                                                                                                           Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Glires, Rodentia, Sciurognathi,
Muroidea, Muridae, Murinae, Mus.
                                                                                                                                                                                                                                                07-FBB-2006, entry version 28.

FXYD domain-containing ion transport regulator 4 precursor (Channel-inducing factor) (CHIF).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The transcriptional landscape of the mammalian genome.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Genomic sequence of mouse CHIF (FXYD4).";
Submitted (MAR-2001) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                 23-JAN-2002, integrated into UniProtKB/Swiss-Prot.
                                                                                                                                                                                   88 AA.
                                                                                            61 CKCKSSQKQHSPVPEKAIPLITPGSATTC 89
                                                                  61 CKYKSSQKQHSPVPEKAIPLITPGSATTC 89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA].
                                                                                                                                                                                   PRT;
                                                                                                                                                                                                                                  01-JUN-2001, sequence version 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Science 309:1559-1563 (2005).
                                                                                                                                                                                   STANDARD;
                                                                                                                                                                                                                                                                                                                   Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                    NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                  NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                     STRAIN=129/SvJ;
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                                                                                                                                                                                   FXYD4 MOUSE
                                                                                                                                                                                                                                                                                                   Name=Fxyd4;
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                                                                                                                                                                     FXYD4
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MEDINE E238825; PubMed=12477932; DOI=10.1073/pnas.242603899; MEDINE=2238825; PubMed=12477932; DOI=10.1073/pnas.242603899; Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G., Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G., Strausberg R.L., Feingold E.A., Buetow K.H., Schaefer C.F., Bhat N.K., Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K., Diatchenko L., Marushaa K., Farmer A.A., Rubin G.M., Hong L., Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E., A Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J., Boask S.A., McEwan P.J., Mackernan R.J., Malek J.A., Gunaratne P.H., Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Villalon D.K., Muzny D.M., Sodergen E.J., Lu X., Gibbs R.A., Willalon D.K., Muzny D.M., Sodergen E.J., Lu X., Gibbs R.A., Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., Mitching M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., A Buterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E., Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E., M. Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;
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Distributed under the Creative Commons Attribution-NoDerivs License
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FXYD4 RAT

G03113;

DT 15-JUL-1998, integrated into UniProtKB/Swiss-Prot.

DT 01-NOV-1996, sequence version 1.

DT 01-NOV-1996, entry version 39.

DT 7-FEB-2006, entry version 39.

DT FXYD domain-concaining ion transport regulator 4 precursor (Channel-
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
-!- SUBCELLULAR LOCATION: Membrane; single-pass type I membrane protein (Potential).
-!- SIMILARITY: Belongs to the FXYD family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ton transport; Ionic channel; Membrane; Signal; Transmembrane
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /FIId=PRO 0000010367.
Extracellular (Potential).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cytoplasmic (Potential). 7EB0140941CFE926 CRC64;
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GO; GO:0005615; C:extracellular space; TAS.
GO; GO:0016021; C:integral to membrane; TAS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EMBL; AF362729; AAK51508.1; -; Genomic_DNA.
EMBL; AK019728; BAB31372.1; -; mRNA.
EMBL; BC086918; AAH86918.1; -; mRNA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          60 KCKYKSSQKQHSPVPEKAIPLITPGSATTC 89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 276.5;
Pred. No. 1.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ensembl; ENSMUSG0000004988; Mus musculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               regulator 4.
[3]NUCLEOTIDE SEQUENCE (LARGE SCALE MRNA).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Potential
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         38
59
88
9269 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     60.08;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   and mouse cDNA sequences."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            InterPro; IPR000272; FXYD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     60; Conservative
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88
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39
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TOPO DOM
                            FXYD4 HUMAN
            RESULT 3
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Riaugner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
Altschul S.P., Zeeberg B., Buetow K.H., Schaefer C.F., Bahat N.K.,
Altschul S.P., Zeeberg B., Buetow K.H., Schaefer C.F., Bahat N.K.,
Hopkins R.F., Jordan H., Moore T., Max S.I., Haidh F.,
Astapleron M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
Brownstein M.J., Usdin T.B., Toophiyuki S., Carninci P., Prange C.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Villalon D.K., Muzny D.M., Sodergren B.J., Lu X., Glibbs R.A.,
Whiting M., Madan A., Young A.C., Shavchenko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
Generation and initial analysis of more than 15,000 full-length human
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                        Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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0
                                                                                                                                                                                                                                                                                           MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 89;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          98.0%; Score 452; DB 2; Length 89 98.9%; Pred. No. 2.2e-40; ive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Corby N.;
Submitted (MAY-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Submitted (JUL-2003) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           InterPro; IPR000272; FXYD.
Pfam; PF02038; ATP1G1 PLM MAT8; 1.
PROSITE; PS01310; FXXD; SEQUENCE 89 AA; 9373 MW; CS935929A22449B0 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
                                        01-OCT-2003, integrated into UniprotKB/TrEMBL.
01-OCT-2003, sequence version 1.
07-FEB-2006, entry version 14.
FXYD domain containing ion transport regulator 4.
Name-FXYD4; ORFNames=RP11-92P6.2-004;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GO; GO:0016020; C:membrane; IEA.
GO; GO:0005216; F:ion channel activity; IEA.
GO; GO:0006811; P:ion transport; IEA.
          89 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EMBL; BC054876; AAH54876.1; -; mRNA.
EMBL; AL512654; CA117065.1; -; Genomic_DNA.
Ensembl; ENSG0000150201; Homo sapiens.
Q7Z4MS_HUMAN PRELIMINARY; PRT;
Q7Z4MS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  and mouse cDNA sequences."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity 98.9
Les 88; Conservative
                                                                                                                                      Homo sapiens (Human).
                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                  NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                        TISSUE=Kidney
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1 MERVTLALLILAGLTALEANDPFANKDDPFYYDWKNLQLSGLICGGLLAIAGIAAVLSGK 60

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MEDLINE-22188257; PubMed=12477922; DOI-10.10.73/pnas.242603899;
A Klausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
A Klausher R.D., Colling F.S., Wagner L., Shenmen C.M., Schuler G.D.,
A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Bottchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
A Brownstein M.J., Usdin T.B., Poshlyuki S., Carninci P., Prange C.,
A Raba S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Bosak S.A., McKwan P.J., McKernan K.J., Malek J.A., Gunarathe P.H.,
A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
A Nilalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
A Halton E., Ketteman M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Butterfield Y.S. N., Krzywinski M.I., Skalska U., Smailus D.E.,
Butterfield Y.S. N., Krzywinski M.I., Skalska U., Smailus D.E.,
A Boneration and initial analysis of more than 15,000 full-length human
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Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                      Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RECONSTRUCTION FROM ESTS, AND CONCEPTUAL TRANSLATION.
MEDLINE=20408885; Pubmed=10950925; DOI=10.1006/geno.2000.6274;
Sweadner K.J., Rael E.,
"The FXYD gene family of small ion transport regulators or channels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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FTTd=PRO 0000010366. 
Extracellular (Potential).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -!- SUBCELLULAR LOCATION: Membrane; single-pass type I membrane
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CDNA sequence, protein signature sequence, and expression."; Genomics 68:41-56(2000).
                                                                                                                            07-FEB-2006, entry version 21.
FXYD domain-containing ion transport regulator 4 precursor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 450; DB 1; Length 89; pred. No. 3.6e-40; l; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Potential.
Cytoplasmic (Potential).
B595EF99A49449B4 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 and mouse cDNA sequences:";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
                                               30-APR-2003, integrated into UniProtKB/Swiss-Prot 30-APR-2003, sequence version 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein (Potential).
-!- SIMILARITY: Belongs to the FXYD family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL; A1829935; -; NOT ANNOTATED CDS; mRNA. Ensembl; ENSG000001502\overline{0}1; Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                        NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA]
   PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HGNC; HGNC:4028; FXYD4.
InterPro; IPR000272; FXYD.
Ffam; PF02038; ATPLG! PLM MAT8; 1.
PROSITE; PS01310; FXYD; 1.
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39 59
60 89
89 AA; 9373 MW;
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   STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20
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                                                                                                                                                                                                                                                                                                                                                           NCBI_TaxID=9606;
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1492 56 12.1 75 2 QBE590_STRA3 QBe590_Btreptococc 1493 56 12.1 79 1 IVBKI_DENPO P00981 dendroaspis P00981 494 56 12.1 100 2 Q6N984_RHOPA Q6N984_Rhodopseudo 1495 56 12.1 100 2 QAAVO9_9BORK Q4avO9 polaromonas 1496 56 12.1 103 2 QAAVO9_PBORK Q5N000000000000000000000000000000000000	RESULT 1 OGUWZ1 HUMAN DG GGUYZ1 HUMAN DT 05-JUL-2004, integrated into UniProtKB/TrEMBL. DT 07-FEB-2006, entry version 1. CG NGN 08-PEB-2006, entry version 1. CO CHOMO. OC BUKARYOER (Human) OC BUKARYOER (Human) OC HOMO. OX NOEL TAXID=8606; RN [1] RN MEDINE-22887296; pubMed=12975309; DOI=10.1101/gr.1293003; RN [1] RN NUCLEOTIDE SEQUENCE. RN MEDINE-22887296; pubMed=12975309; DOI=10.1101/gr.1293003; RN NUCLEOTIDE SEQUENCE. RN NUCLEOTIDE SEQUENCE. RN A CHON J., Chow B., Chow E., Crowley C., Currell B., Dowd P., RA CHON J., Chow B., Chimadid C., Gu Q., Hass P.E., Heldens S., RA CHON J., Chow B., Chumoski L., Jin Y., Johnson S., Lee J., RA Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J., RA Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J., RA Vandlen R.L., Watanabe C., Watand D., Woods K., Xie MH., Vandlen R.L., Watanabe C., Watand D., Woods K., Xie MH., RA Vandlen R.L., Watanabe C., Watand D., Woods K., Xie MH., Wood W. I., Grady M., RW WOOD W. I., Chodowski P.J., Chang M., Zhang M., Cholomielle Res. 13:2265-2270(2003).	CC Copyrighted by the Uniprot Consortium, see http://www.uniprot.org/terms CC Distributed under the Creative Commons Attribution-Noberive License CC EMBL; AY35884; AAQ88947.1; -; mRNA. DR Ensemb; ENSGG0000150201; Home sapiens. DR GO; GO:0016020; C:membrane; IEA. DR GO; GO:0005216; F:ion channel activity; IEA. DR GO; GO:0005216; F:ion channel activity IEA. DR GO; GO:0005216; F:ion channel activity; IEA. DR GO; G
Q4ki08 pseudomonas Q4wd85 aspergillus Q85q80 tricholepid Q85q80 tricholesid Q3hiy1 tricholesid Q2wsx0 clostridium Q9bzw2 homo sapien Q9bzw2 notcobusus n Q9bar2 notcobusus n Q9aeg0 carboxydoth Q31615 bacillus su Q6020 mus musculu Q6020 mus musculu Q6021 bacillus su Q6001 crocosphaer		Q5nxt1 azoarcus sp Q21q19 syntrophus P22330 saccharohyc Q3kjd8 pseudomonas OG9429 bartonella (01956 rattus norv O5cgn7 cryptospori Q4cgn7 cryptospori Q4335 homo sapien Q5d26 idiomarina Q5d26 homo sapien Q5d26 homo sapien Q5d26 homo sapien Q5d26 homo sapien Q5d26 homo sapien Q40tu4 trypanosoma Q5p56 azoarcus sp Q4yy05 plasmodium Q6ort2 caenorhabdi Q6ort2 caenorhabdi Q4pv2 ustilago ma Q5cr4 oryza sativ Q4sxm5 tetraodon n Q41an8 gibberella Q4bm3 tetraodon n Q41an8 gibberella Q5bdw2 aspergillus Q5bdw2 aspergillus Q5bdw2 aspergillus Q6bcj9 tetrahymena Q5bdw2 aspergillus Q4bm3 tetraodon n Q6fm3 tetraodon n Q6fm3 tetraodon n Q6fm3 candida gla
	2 098A503 97WAGN 2 05CV27 CRYPV 2 09EA53 9MAGN 1 VGLH PRVKA 1 VGLH PRVKA 1 VGLH PRVRI 2 05BA51 9MAGN 2 09BA52 9MAGN 2 09BA53 9MAGN 2 09BA56 9MAGN 2 09BA57 9MAGN 2 09BA57 9MAGN 2 09BA57 9MAGN 2 09BA57 9MAGN 2 09BA57 9MAGN 2 09BA57 9MAGN 2 09BA71 BUXSE 2 04BA71 PSEPF 2 04BHYN PODPE 2 04BHYN PODPE 2 04BHYN PODPE 2 04BHYN PODPE 2 04BHYN PODPE 2 04BHYN PODPE 2 04BHYN PAB1T 2 05PXKE RAT 2 06BHYN PAB1T 2 06BHYN PAB1T 2 08HYN PAB1T 2 08HYN PAB1T 2 08HYN PAB1T	
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QGGEXT CAEEL
QRGEXY ENTCL
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O5KUP7 GEOKA
O6SCD4 YERPE
Q8CD4 YERPE
Q8CO1 YERPE
Q9CX4 RHOPA
Q9LUKB ARATH
Q3K14 MAXTH
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Q4QD23_LEIMA
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034355 BACSU
Q4A723 MYCS5
Q54FJ8 DICDI
Q7SZ52_BRARE
ATMG_SHEEP
QSBK79_PIG
FXXD5_HUMAN
Q3TDWI_MOUSE
FXXD5_RAT
Q6P9W0_RAT
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oryza sativ

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A; Ratus: preliminary
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B; Philipson, L.H.; Hice, R.E.; Schaefer, K.; LaMendola, J.; Bell, G.I.; Nelson, D.J.; St
Proc. Natl. Acad. Sci. U.S.A. 88, 53-57, 1991
A; Title: Sequence and functional expression in Xenopus oocytes of a human insulinoma and A; Reference number: A38556; MUID: 91095456; PMID: 1986382
A; Molecule type: DNA
A; Residues: 1-19, 'G', 21-36, 'V', 38-60, 'U', 52-90, 'V', 92-337, 'S', 339-418½' S', 420-457, 'LS', A A; Residues: 1-19, 'G', 21-36, 'V', 38-60, 'U', 52-90, 'V', 92-337, 'S', 339-418½' S', 420-457, 'LS', A A; Residues: 1-19, 'G', 21-36, 'V', 38-60, 'U', 52-90, 'V', 92-337, 'S', 339-418½' S', 420-457, 'LS', A A; Cross-references: UNIPARC: UPI00001779F2; GB: MS5515
B; Cai, Y.C.; Osborne, P.B.; North, R.A.; Dooley, D.C.; Douglass, J.
DNA, Cell Biol. 11, 162, 1992
A; Title: Characterization and functional expression of genomic DNA encoding the human 1y A; Reference number: IS2990; MUID: 92189730; PMID: 1547020
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A;Cross-references: GDB:128079; OMIM:176263
A;Cross-references: GDB:13.3
C;Superfamily: potassium channel protein drkl
C;Superfamily: potassium channel protein; potassium channel; transmembrane protein; volt
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J. Biol. Chem. 267, 8650-8657, 1992
A;Title: Cloning, functional expression, and regulation of two K(+) channels in human T
A;Reference number: A38101; MUID:92235098; PMID:1373731
A;Accession: A38101
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14.4%; Score 66.5; DB 2; Length 523;
Best Local Similarity 20.1%; Pred. No. 19;
Matches 30; Conservative 14; Mismatches 36; Indels 6
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A;Cross-references: UNIPROT:Q926M2; UNIPARC:UPI0000125F94; GB:AE001684; GB:AE001363; NID:A;Cross-references: UNIPROT:Q926M2; UNIPARC:UPI0000125F94; GB:AE001684; GB:AE001363; NID:A;Experimental source: strain cmid-29
A;Read, T.D.; Burnham, R.C.; Shen, C.; Gill, S.R.; Heidelberg, J.F.; White, O.; Hickey, F.; C.; bodson, R.; Gwinn, M.; Nelson, W.; DeBoy, R.; Kolonay, J.; McClarty, G.; Salzberg, Nucleic Acids Res. 28, 1397-1406, 2000
A;Fitle: Genome sequences of Chlamydia trachomatis MoPn and Chlamydia pneumoniae AR39.
A;Reference number: A81500; MuID:20150255; PMID:10684935
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                             A;Residues: 1:359 <STO>
A;Cross.references: UNIPROT:Q9Z6M2; UNIPARC:UPI0000125F94; GB:BA000008; NID:g8979410; PII
A;Experimental source: strain J138
C;Genetics:
A;Gene: aroC
C;Superfamily: chorismate synthase
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A;Experimental source: strain AR39; HL cells
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C;Species: Chlamydophila pneumoniae, Chlamydia pneumoniae (C;Date: 23-Apr-1999 #sequence_revision 23-Apr-1999 #text_change 09-Jul-2004 C;Accession: A72004; BB1586 Nature Genet. 21, 385-389, 1999 Nature Genet. 21, 385-389, 1999 Nature Genet. 21, 385-389, 1999 A;Attle: Comparative genomes of Clamydia pneumoniae and C. trachomatis. A;Reference number: A72000; WUID:99206606; PMID:10192388
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               chorismate synthase CP0815 [imported] - Chlamydophila pneumoniae (strains CWL029 and AR39
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C;Superfamily: chorismate synthase
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      A; Molecule type: DNA
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A.Molecule type: DNA
A.Rosea-references: UNIPROT: 032616; UNIPARC: UPI000013A518; EMBL: X04465; NID: 911640; PIDN
R.Ohyama, K.; Fukuzawa, H.; Kohchi, T.; Shirai, H.; Sano, T.; Sano, S.; Umesono, K.; Shi
Rature 32, 572-574, 1986
A.Title: Chloroplast gene organization deduced from complete sequence of liverwort March
A.Reference number: A38014
A.Contents: annotation; gene organization, sites, features
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Cispecies: Chlamydophila pneumoniae, Chlamydia pneumoniae
Cispecies: Chlamydophila pneumoniae, Chlamydia pneumoniae
Cipate: 02-Mar-2001 #sequence_revision 02-Mar-2001 #text_change 09-Jul-2004
Ciscossion: B86620
Rishirai, M.; Hirakawa, H.; Kinoto, M.; Tabuchi, M.; Kishi, F.; Ouchi, K.; Shiba, T.; Is
Alvicleic Acids Res. 28, 2311-2311, 2010
A; Title: Comparison of whole genome sequences of chlamydia pneumoniae J138.
A; Reference number: A86491; MUID:20330349; PMID:10871362
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R;Umesono, K.; Inokuchi, H.; Shiki, Y.; Takeuchi, M.; Chang, Z.; Fukuzawa, H.; Kohchi, T., Mol. Biol. 203, 299-311, 198
A;Title: Structure and organization of Marchantia polymorpha chloroplast genome. II. Gen A;Reference number: S01567; MUID:89068686; PMID:2974085
deno-Tarraga, A.M.; Chillingworth, T.; Cronin, A.; Davies, R.M.; Davis, P.; Dougan, G.; il, M.; Rutherford, K.; Simmonds, M.; Skelton, J.; Stevens, K.; Whitehead, S.; Barrell, Mature 413, 523-527, 2001
A;Title: Genome sequence of Yersinia pestis, the causarive agent of plague.
A;Reference number: AB0001; MUID:21470413; PMID:11586360
                                                                                                                                                                                                                                                                                     A; Cross-references: UNIPROT: Q8ZCD4; UNIPARC: UP100000CD9C4; GB: AL590842; PIDN: CAC92299.1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4 VTLALLLLAGLTALEANDPFANKDDPFYYDWKNLQLSGLICGGLLAIAGI-AAVLSGKCK
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  32; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 15.0%; Score 69; DB 2
Best Local Similarity 30.2%; Pred. No. 2.7;
Matches 26; Conservative 14; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       63 YKSSOKOHSPVPEKAIPLITPGSATT 88
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                                                                                                                                                                                                                                                                                                                                                                                 Superfamily: hypothetical protein ytwI
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A;Introns: 36/1
C;Superfamily: hypothetical protein 135
C;Keywords: chloroplast
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                                                                                                                                                           A, Accession: AH0371
A, Status: preliminary
A, Molecule type: DNA
A, Residues: 1-150 < KUR>
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                                                                                                                                                                                                                                                                                                                                                   A;Gene: YPO3057
C;Superfamilv:
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probable membrane protein YPO3057 [imported] - Yersinia pestis (strain CO92)
C;Species: Yersinia pestis
C;Dactes: Yersinia pestis
C;Date: 02-Nov-2001 #sequence_revision 02-Nov-2001 #text_change 09-Jul-2004
C;Accession: AH0371
R;Parkhill, J.; Wren, B.W.; Thomson, N.R.; Titball, R.W.; Holden, M.T.G.; Prentice, M.B.;
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R.Kunst. F.; Ogaawara, N.; Moszer, I.; Albertini, A.M.; Alloni, G.; Azevedo, V.; Berterr
B.; Ebronis E.; Dogaawara, N.; Moszer, I.; Albertini, A.M.; Alloni, G.; Azevedo, V.; Berterr
A.; Ehrlich, S.D.; Emmerson, P.T.; Entain, K.D.; Errington, J.; Fabret, C.; Ferrari, E.
Nature 390, 249-256, 1997
A.; Althors: Foulger, D.; Fritz, C.; Fujita, M.; Fujita, Y.; Fuma, S.; Galizzi, A.; Gallerr
A.; Althors: Foulger, D.; Fritz, C.; Fujita, M.; Fujita, X.; Fuma, S.; Galizzi, A.; Gallerr
A.; Koetter, P.; Koningstein, G.; Krogh, S.; Kunano, M.; Kurita, K.; Lapidus, A.; Lardinois,
A.; Althors: Lauber, J.; Lazarevic, V.; Lee, S.M.; Levine, A.; Liu, H.; Masuda, S.; Maueel,
Y.; M.; Ogawa, K.; Ogiwara, A.; Oudega, B.; Rose, M.; Sadaie, Y.; Scalo, T.; Scanlon,
A,Authors: Schleich, S.; Schroeter, R.; Scoffone, B.; Rose, M.; Sadaie, Y.; Scan, P.; Norhida,
A,Authors: Schleich, S.; Schroeter, R.; Terpetra, P.; Tognoni, J.; Schowska, A.; Scan,
A,Authors: Voshikawa, H.F.; Zumstein, E.; Yoshikawa, H.; Danchin, A.; Tata, K.; Yoshida, K.
A,Authors: Voshikawa, H.F.; Zumstein, E.; Yoshikawa, H.; Danchin, A.
Bacillus subtilis.
A,Feference number: A69580; MUID: 98044033; PMID: 9384377
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A;Cross-references: UNIPROT:034355; UNIPARC:UPI00000608E4; GB:Z99119; GB:AL009126; NID:gí
                                    A;Cross-references: UNIPARC:UPI0000131690; EMBL:D64000; GB:AB001339; NID:g1001484; PIDN:F
A;Note: the nucleotide sequence was submitted to the EMBL Data Library, June 1996
                                                                                                                                                                                 A,Gene: petD
C,Superfamily: cytochrome b6-f complex, subunit 4 (plastoquinol-plastocyanin reductase,
C;Keywords: oxidoreductase; photosynthesis; thylakoid
F;24-144/Domain: plastoquinol-plastocyanin reductase 17K protein homology <17K>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             conserved hypothetical protein ytcJ - Bacillus subtilis
C;Species: Bacillus subtilis
C;Date: 05-Dec-1997 #sequence_revision 05-Dec-1997 #text_change 09-Jul-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7 ALLLLAGLTAL-----EANDPFANKDD--PFYYDWKNLQLSGLICGGLLAIAGIAAVLS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                               / Match 15.6%; Score 72; DB 1; Length 160; Local Similarity 37.7%; Pred. No. 1.4; les 23; Conservative 9; Mismatches 21; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 71; DB 2; Length 529;
Pred. No. 6.2;
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R;Mercer, R.W.; Biemesderfer, D.; Bliss Jr., D.P.; Collins, J.H.; Forbush III, B.
J. Cell Biol. 121, 579-586, 1993
A;Title: Molecular cloning and immunological characterization of the gamma polypeptide, A;Reference number: A46435; MUID:93252993; PMID:8387529
A;Accession: B46435
A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-58 -MERA
A;Residues: 1-58 -MERA
A;Residues: Loss -MERA
A;Residues: Loss -MERA
Cross-references: UNIPROT:Q04679; UNIPARC:UPI0000170985; EMBL:X70062; NID:g56299; PIDN
C;Keywords: hydrolase; transmembrane protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Molecule type: DNA
A;Residues: 1-160 <0SI>A;Residues: 1-160 <0SI>A;Residues: 1-160 <0SI>A;Residues: 1-160 <0SI>A;Residues: 1-160 <0SI
A;Cross-references: UNIPROT: P27589; UNIPARC: UPI0000131690; EMBL: X58522; NID: g47376; PIDN R;Raneko, T.; Sato, S.; Kotani, H.; Tanaka, A.; Asamizu, E.; Nakamura, Y.; Miyajima, N.; O, K.; Okumura, S.; Shimpo, S.; Takeuchi, C.; Wada, T.; Watanabe, A.; Yamada, M.; Yasuda DNA Res. 3, 109-136, 1996
A;Title: Sequence analysis of the genome of the unicellular cyanobacterium Synechocystie
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Molecule type: mRNA
A;Residues: 1-58 <MER>
A;Residues: 1-58 <MER>
A;Cross-references: UNIPROT:Q04646; UNIPARC:UPI00001482CD; EMBL:X70060; NID:g51111; PIDN
A;Note: the authors translated the codon TTC for residue 25 as Pro
C;Keywords: hydrolase; transmembrane protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Na+/K+-exchanging ATPase (EC 3.6.3.9) gamma chain - mouse
C;Species: Mus musculus (house mouse)
C;Date: 31-Dec-1993 #sequence_revision 03-Feb-1994 #text_change 09-Jul-2004
C;Date: 31-Dec-1993 #sequence_revision 03-Feb-1994 #text_change 09-Jul-2004
C;Accession: C46435, S31522
R;Mercer, R.W.; Blemesderfer, D.; Bliss Jr., D.P.; Collins, J.H.; Forbush III, B.
J. Cell Biol. 121, 579-586, 1993
A;Title: Molecular cloning and immunological characterization of the gamma polypeptide, A;Reference number: A46435; WUID:93252993; PMID:8387529
A;Status: preliminary
A;Status: preliminary
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Na+/K+-exchanging ATPase (EC 3.6.3.9) gamma chain - sheep (fragment)
N;Alternate names: sodium pump gamma chain; sodium/potassium-dependent ATPase gamma chair C;Species: Ovis orientalis aries, Ovis ammon aries (domestic sheep)
C;Daces: 22-Nov-1993 #sequence_revision 05-Dec-1998 #text_change 09-Jul-2004
C;Accession: A46435; S31524; A27383
R;Mercer, R.W.; Biemesderfer, D.; Bliss Jr., D.P.; Collins, J.H.; Forbush III, B.
J. Cell Biol. 121, 579-586, 1993
A;Title: Nolecular cloning and immunological characterization of the gamma polypeptide, & A;Reference number: A46435; MUID:93252993; PMID:8387529
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A; Residues: 6-19, 'F', 21-53 <MEW>
A; Crossidues: 6-19, 'F', 21-53 <MEW>
A; Crossidues: 6-19, 'F', 21-53 <MEDIO: CROSSIDUES: MIPARC: UPI00016C4B7; EMBL: X70061; NID: G1255; PIDN: CAA49665.1; PID: C
R; Collins, J.H.; Leszyk, J.
B; Collins, J.H.; Leszyk, J.
B; Crossidues: AST, S66.1 1987, 'G, NA, K-ATPase: a small, amphiphilic protein with a unique & A; Reference number: A27383; MUID: 88163544; PMID: 2831947
                                                                                                                                                                                                                                                                                                            A;Cross-references: UNIPROT:Q04645; UNIPARC:UPI00001262A7; EMBL:X70059; NID:g396; PIDN:C?A;Note: the authors translated the codon TTC for residue 25 as ProC;Keywords: hydrolase; transmembrane protein
J. Cell Biol. 121, 579-586, 1993
A;Title: Molecular cloning and immunological characterization of the gamma polypeptide,
A;Reference number: A46435; MUID:93252993; PMID:8387529
A;Accession: D46435
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submitted to the EMBL Data Library, December 1992
A;Description: Cloning and sequencing of gamma subunit of sodium potassium ATPase.
A;Reference number: S31522
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Na+/K+-exchanging ATPase (EC 3.6.3.9) gamma chain - rat
C;Species: Rattus norvegicus (Norway rat)
C;Date: 31-Dec-1993 #sequence_revision 03-Peb-1994 #text_change 09-Jul-2004
C;Accession: B46435; S31523
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A,Residues: 1-19,'F',21-33 <COL>
A,Residues: 1-19,'F',21-33 <COL>
C,GONS-references: UNIPARC:UP!000017CC98
C,COMPLex: heterotriner; alpha, beta, and gamma chain
C,Keywords: heterotrimer; hydrolase; transmembrane protein
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Experimental source: kidney
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Best Local Similarity 34.6*
Matches 18; Conservative
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A; Molecule type: mRNA
A; Residues: 1-58 < MER>
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Molecule type: mRNA
Residues: 6-53 <MER>
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Best Local Simi
Matches 18;
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C,Accession: A40533
F, Bar, Dones, L.R.
J. Biol. Chem. 266, 11126-11130, 1991
A,Title: Purification and complete sequence determination of the major plasma membrane A,Reference number: A40533; MUID:91250422; PMID:1710217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C;Date: 23-Mar-1995 #sequence_revision 23-Mar-1995 #text_change 09-Jul-2004
C;Accession: A55571
R;Morrison, B.W.; Moorman, J.R.; Kowdley, G.C.; Kobayashi, Y.M.; Jones, L.R.; Leder, J. Biol. Chem. 270, 2176-2182, 1995
A;Title: Mat-8, a novel phospholemman-like protein expressed in human breast tumors, A;Reference number: A55571; MUID: 95138184; PMID: 7836447
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C;Species: Bos primigenius taurus (cattle)
C;Date: 31-Dec-1993 Haequence_revision 03-Feb-1994 #text_change 09-Jul-2004
C;Accession: D46435; S31525
F;Mercer, R.W.; Biemesderfer, D.; Bliss Jr., D.P.; Collins, J.H.; Forbush III,
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                              1 MQEVVLSLLVLLAGLPTLDANDP-ENKNDPFYYDWYSLRVGGLICAGILCALGIIVLMSG 59
                                                                                                                                                                                                                                                                                                                                                                                                                                             C;Species: Homo sapiens (man)
C;Date: 23-Mar-1995 #sequence_revision 23-Mar-1995 #text_change 09-Jul-2004
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C;Species: Canis lupus familiaris (dog)
C;Date: 28-Feb-1992 #sequence_revision 28-Feb-1992 #text_change 09-Jul-2004
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41.4%; Pred. No. 7.1e-07;
tive 15; Mismatches 23;
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Best Local Similarity 54.5%; Pred. No. 1.2e-16;
Matches 48; Conservative 11; Mismatches 24
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A;Molecule type: mRNA
A;Residues: 1-87 <MOR>
A;Cross-references: UNIP
C;Keywords: transmembran
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2.7 320 / US-11-056-355B-26714 Sequence 2.7 350 7 US-11-056-355B-36714 Sequence 2.7 356 7 US-11-056-355B-3636 Sequence 2.7 377 7 US-11-056-355B-3636 Sequence 2.7 377 US-11-056-355B-3466 Sequence 2.7 377 US-11-056-355B-3466 Sequence	8.5 12.7 377 7 US-11-056-355B-39929 Sequence 8.5 12.7 377 7 US-11-056-355B-42537 Sequence 8.5 12.7 377 7 US-11-056-355B-75755 Sequence 8.5 12.7 377 7 US-11-056-355B-75575 Sequence	8.5 12.7 383 7 US-11-058-746-6 Sequence 8.5 12.7 383 7 US-11-058-746-6	8.5 12.7 383 7 US-11-056-355B-28875 Sequence 8.5 12.7 383 7 US-11-056-355B-34465 Sequence	o.5 12.7 383 7 US-11-US0-335B-33928 Sequence 8.5 12.7 383 7 US-11-056-355B-42536 Sequence 8.5 12.7 383 7 US-11-056-355B-75574 Sequence	8.5 12.7 383 7 US-11-056-3558-98546 Sequence 8.5 12.7 383 7 US-11-056-3558-109785 Sequence	8.5 12.7 385 6 US-10-449-902-39728 Sequence 8.5 12.7 409 7 US-11-330-403-6443 Sequence	8.5 12.7 557 7 US-11-056-355B-83002 Sequence 8.5 12.7 567 7 US-11-056-355B-83001 Sequence	8.5 12.7 577 7 US-11-174-307B-4440 Sequence 8.5 12.7 1095 7 US-11-056-355B-71583 Sequence	8.5 12.7 1118 7 US-11-056-355B-73209 Sequence 58 12.6 295 7 US-11-056-355B-9964 Sequence	12.6 333 7 US-11-293-697-4461 Sequence 12.6 339 7 US-11-056-355B-9963 Sequence	12.6 352 7 US-11-056-355B-9962 Sequence 12.6 356 6 US-10-612-783-5903 Sequence	12.6 365 7 US-11-056-355B-96643 Sequence 12.6 366 7 US-11-056-355B-73743 Sequence	12.6 367 7 US-11-056-355B-96642 Sequence	12.6 49.7 US-11-056-3558-96641 Sequence	36 12.6 36.9 6 US-10-449-502-53534 Sequence 7.5 12.5 264 7 US-11-056-355B-43568 Sequence 7.5 12.5 267 6 US-10-449-402-37312 Sequence	7.5 12.5 293 7 US-11-330-403-10390 Sequence 7.5 12.5 336 7 US-11-056-355R-43567 Sequence	7.5 12.5 353 7 US-11-056-355B-43566 Sequence	12.5 400 6 US-10-612-783-4724 Sequence 12.5 411 7 US-11-330-403-12825 Sequence	7.5 12.5 2238 6 US-10-540-898-42 Sequence	77 12.4 110 6 US-10-449-902-39125 Sequence 57 12.4 111 7 US-11-056-355R-30100 Sequence	12.4 111 7 US-11-056-355B-33690 Sequence	12.4 111 7 US-11-030-3235-10457 Sequence	12.4 128 7 US-11-053-043-5-5033 Sequence 12.4 12.8 7 US-11-056-355B-28419 Sequence 13.4 130 TIC-11-056-350-3600000000000000000000000000000	12.4 128 7 US-11-056-355B-104705 Sequence	12.4 128 7 US-11-056-355B-115944 Sequence 12.4 138 7 US-11-056-355B-30099 Sequence	12.4 138 7 US-11-056-355B-33689 Sequence	12.4 138 7 US-11-056-355B-74437 Sequence	12.4 . 138 7 US-11-056-355B-103217 Sequence 12.4 138 7 US-11-056-355B-114456 Sequence	12.4 148 6 US-10-953-349-3098 Sequence	12.4 148 7 US-11-056-355B-28418 Sequence	12.4 148 7 US-11-056-355B-104704 Sequence 12.4 148 7 US-11-056-355B-115943 Sequence	12.4 184 7 US-11-056-355B-30098 Sequence	12.4 184 7 US-11-056-355B-35887 Sequence

26, Appl 102, App 988, App 66, Appl 174, App

Sequence

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2742, Ap 29, Appl 27, Appl 28, Appl

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US-11-056-355B-106536
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US-11-056-355B-106535
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50, Appl
117, App
203, App
1142, Ap
1144, Ap
424, App
210, App
52071, App
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36200, A
52326, A
54588, A
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921, App
923, App
21, Appl
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919, App
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916, App
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                                                                                                                                                                                                   November 21, 2006, 19:57:08 ; Search time 43 Seconds (without alignments) , 176.929 Million cell updates/sec
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| EMC Celerra SIDS3/ptodata/2/pubpaa/US09 NEW PUB.pep:*
| FMC Celerra SIDS3/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
| FMC Celerra SIDS3/ptodata/2/pubpaa/US08_NEW_PUB.pep:*
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| FMC Celerra SIDS3/ptodata/2/pubpaa/US11_NEW_PUB.pep:*
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                                    GenCore version 5.1.9
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US-11-209-102-203
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US-10-449-902-44838
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Maximum Match 100%
Listing first 1500 summaries
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                                                                                                                                              protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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Match Length
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Sequence 29, Appl Sequence 27, Appl Sequence 27, Appl Sequence 1548, Ap Sequence 15, Appl Sequence 15, Appl Sequence 15, Appl Sequence 15, Appl Sequence 102189, Sequence 102189, Sequence 102189, Sequence 6560, Ap Sequence 6560, Ap Sequence 6560, Ap Sequence 6560, Ap Sequence 10039, Appli Sequence 27349, Appli Sequence 27344, Appli Sequence 24, Appli Sequence 25, Appli Sequence 24, Appli Sequence 25, Appli Sequence 24, Appli Sequence 25, Appli Sequence 25

98548, A 109787,

Sequence Sequence Sequence

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Sequence 2 Sequence 3 Sequence 3

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Sequence 262, App Sequence 50, App Sequence 50, Appl Sequence 52, Appl Sequence 52, Appl Sequence 50, Appl Sequence 50, Appl Sequence 50, Appl Sequence 210, App Sequence 212, App Sequence 166, App Sequence 1279, App Sequence 24, Appl Sequence 34, Appl Sequence
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GenCore version 5.1.9
Copyright (c) 1993 - 2006 Biocceleration Ltd.
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                                                                                                                                                                                                                                                                                                                                                                                                              2097797 seqs, 463214858 residues
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Listing first 1500 summaries
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                                                                                                      - protein search, using sw model
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Maximum DB seq length: 2000000000
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Search completed: November 21, 2006, 19:59:06 Job time : 213 secs

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ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
COMPUTER: IBM Compat
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CLONE: 951423
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APPLICANT: Warson, James G
APPLICANT: Warson, James G
TITLE OF INVENTION: Polynucleotides, polypeptides expressed
TITLE OF INVENTION: by the polynucleotides and methods for their use.
FILE REFERENCE: 11000-1050U1
CURRENT APPLICATION WUMBER: US/09/724,864
CURRENT FILING DATE: 2000-11-28
PRIOR APPLICATION NUMBER: U.S. No. 6380362 60/171,678
PRIOR FILING DATE: 1999-12-23
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Patent No. 5756310
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: Goll, Surya K.
TITLE OF INVENTION: NOVEL HUMAN PHOSPHOLEMMAN-LIKE PROTEIN
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                    100.0%; Score 461; DB 3; Length 89; 100.0%; Pred. No. 2.2e-51; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          60.0%; Score 276.5; DB 2
66.7%; Pred. No. 9.8e-28;
tive 8; Mismatches 19
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 58
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR PELING DATE: 1998-07-07
PRIOR FILING DATE: 1998-07-07
PRIOR FILING DATE: 1998-07-07
PRIOR FILING DATE: 1998-07-07
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 58, Application US/09724864
Patent No. 6380362
                                                                                                                                                                                                                                                                              Local Similarity 100.0
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Matches 60; Conservative
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US-09-724-864-58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-724-864-58
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APPLICANT: Hawkins, Phillip R.
TITLE OF INVENTION: NOVEL HUMAN PHOSPHOLEMMAN HOMOLOG
NUMBER OF SEQUENCES: 6
CORRESPONDENCES:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   55.6%; Score 256.5; DB 1
61.5%; Pred. No. 3.6e-25;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     60 KCKYKSSQKQHSP--VPEKAIPLITPGSATT 88
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COMPUTER READBLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS.
SOFTWARE: FastSEQ Version 1.5
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/725,531
FILING DATE: Filed Herewith
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/725,531
FILING DATE:
APPLICATION NUMBER: US/08/725,531
FILING DATE:
APPLICATION NUMBER: US/08/725,531
FILING DATE:
APPLICATION NUMBER: 36,749
REGISTRATION NUMBER: 36,749
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0128 US
TELECOMUNICATION INFORMATION:
TELECAMINICATION OF SEGUENCE CHARACTERICATICS:
SEGUENCE CHARACTERICATICS:
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Patent No. 5919655
GENERAL INFORMATION:
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IBM Compatible
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ATTORNEY/AGENT INFORMATION
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Best Local Similarity 61.5*
Matches 56; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 87 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
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APPLICATION NUMBER: PILING DATE: 1998-06 APPLICATION NUMBER: PILING DATE: 1998-06 APPLICATION NUMBER: FILING DATE: 1998-06		PILLING DATE: 1998-06 APPLICATION NUMBER: APPLICATION NUMBER: FILING DATE: 1998-06	FILING DATE: APPLICATION N
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RELLING DATE: 1998-03-20 RPPLICATION NUMBER: 60/083322 FILING DATE: 1998-04-28 RPLING DATE: 1998-05-07 RPPLICATION NUMBER: 60/084600 RPLING DATE: 1998-05-28 RPLING DATE: 1998-05-28 RPLING DATE: 1998-06-02 RELING DATE: 1998-06-02 RELING DATE: 1998-06-02 RAPPLICATION NUMBER: 60/087609 RELING DATE: 1998-06-02 RAPPLICATION NUMBER: 60/08759	1998-06-02 1998-06-02 1998-06-03 NUMBER: 60/088021 1998-06-04 NUMBER: 60/088025 1998-06-04 1998-06-04 NUMBER: 60/088026 1998-06-04 NUMBER: 60/088028 1998-06-04	R APPLICATION NUMBER: 60/088030 R FILING DATE: 1998-06-04 PAPLICATION NUMBER: 60/088033 R FILING DATE: 1998-06-04 R APPLICATION NUMBER: 60/088126 R FILING DATE: 1998-06-04 R FILING DATE: 1998-06-05 R FILING DATE: 1998-06-05 R FILING DATE: 1998-06-05 R APPLICATION NUMBER: 60/088212 R APPLICATION NUMBER: 60/088212 R APPLICATION NUMBER: 60/088217 R APPLICATION NUMBER: 60/088217 R APPLICATION NUMBER: 60/088217 R APPLICATION NUMBER: 60/08855 R APPLICATION NUMBER: 60/08855 R APPLICATION NUMBER: 60/08855	R APPLICATION NUMBER: 60/088734  R FILING DATE: 1998-06-10  R APPLICATION NUMBER: 60/088738  R FILING DATE: 1998-06-10  R APPLICATION NUMBER: 60/08810  R APPLICATION NUMBER: 60/08810  R APPLICATION NUMBER: 60/08824  R FILING DATE: 1998-06-10  R APPLICATION NUMBER: 60/08826  R APPLICATION NUMBER: 60/08826  R APPLICATION NUMBER: 60/08826  R APPLICATION NUMBER: 60/08826  R APPLICATION NUMBER: 60/08858  R FILING DATE: 1998-06-11  R APPLICATION NUMBER: 60/08861  R APPLICATION NUMBER: 60/08861  R APPLICATION NUMBER: 60/088976  R APPLICATION NUMBER: 60/088976  R APPLICATION NUMBER: 60/08916  R APPLICATION NUMBER: 60/08916  R APPLICATION NUMBER: 60/08916  R APPLICATION NUMBER: 60/08916  R APPLICATION NUMBER: 60/08918  R APPLICATION NUMBER: 60/089512  R APPLICATION NUMBER: 60/089514  R FILING DATE: 1998-06-16  R APPLICATION NUMBER: 60/089532

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R FILING DATE: 1998-06-19
A APPLICATION NUMBER: 60/090246
R APPLICATION NUMBER: 60/090252
R FILING DATE: 1998-06-22
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R APPLICATION NUMBER: 60/090542
R FILING DATE: 1998-06-24
R APPLICATION NUMBER: 60/090557
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R APPLICATION NUMBER: 60/090694

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R APPLICATION NUMBER: 60/090695

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APPLICATION NUMBER: 60/089600
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APPLICATION NUMBER: 60/089653
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APPLICATION NUMBER: 60/089947
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FILING DATE: 1998-06-19
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RAPLICATION NUMBER: 60/090355
FILING DATE: 1998-06-23
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LLING DATE: 1998-06-24
PPLICATION NUMBER: 60/090435
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PPLICATION NUMBER: 60/090444
APPLICATION NUMBER: 60/089598
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APPLICATION NUMBER: 60/089599
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APPLICATION NUMBER: 60/090445
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PPLICATION NUMBER: 60/090540
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FILING DATE: 1998-06-26
APPLICATION NUMBER: 60/091360
FILING DATE: 1998-07-01
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PPLICATION NUMBER: 60/090535
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FILING DATE: 1998-07-02
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FILING DATE: 1998-07-01
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APPLICATION NUMBER: 60/089907
FILING DATE: 1998-06-18
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CURRENT FILING DATE: 2001-11-20
PRIOR PEPLICATION NUMBER: G0/049787
PRIOR FILING DATE: 1997-06-16
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-11-12
PRIOR PILING DATE: 1997-11-12
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PRIOR APPLICATION NUMBER: G0/06531
PRIOR APPLICATION NUMBER: G0/06531
PRIOR PILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: G0/06570
PRIOR PELING DATE: 1997-11-24
PRIOR PRILING DATE: 1999-10-24
PRIOR PELING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: G0/075945
PRIOR PILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: G0/075945
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PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1980-07-02
PRIOR PELING DATE: 1980-07-02
PRIOR PILING DATE: 1998-07-02
PRIOR PILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR APPLICATION NUMBER: 60/09198
PRIOR PILING DATE: 1998-07-07
PRIOR PILING DATE: 1998-07-07
PRIOR PILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR FILING DATE: 1998-07-07
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Gurney,Austin L.
Kljavin,Ivar J.
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APPLICANT: Stewart, Timochy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
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APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
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APPLICANT: Stewart, Timothy A.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tummas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Walliams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
APPLICANT: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
TITLE OF INVENTION: Acids Encoding the Same
CURRENT APPLICATION NUMBER: US/09/997,653
CURRENT FILING DATE: 2001-11-15
PRICE APPLICATION NUMBER: 60/049787
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PRIOR APPLICATION NUMBER: 60/06220
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR FILING DATE: 1997-11-12
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
                       PRIOR APPLICATION NUMBER: 60/091549
PRIOR FILING DATE: 1998-07-01
PRIOR PELING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091519
PRIOR APPLICATION NUMBER: 60/091626
PRIOR APPLICATION NUMBER: 60/091639
PRIOR PILING DATE: 1998-07-02
PRIOR FILING DATE: 1998-07-07
PRIOR FILING DATE: 1998-07-07
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091978
PRIOR PILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR FILING DATE: 1998-07-07
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US-09-997-653-262
'Sequence 262, Application US/09997653
'Patent No. 7034122
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Godowski, Paul J.
Grimaldi, J.Christopher
Gurney, Austin L.
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Pan, James
Paoni, Nicholas F.
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     FILING DATE: 1998-07-02
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Gerritsen, Mary E
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APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
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Eaton, Dan L.
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APPLICANT:
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R FILING DATE: 1998-02-25
R APPLICATION NUMBER: 60/078910
R FILING DATE: 1998-03-20
A PPLICATION NUMBER: 60/083322
R FILING DATE: 1998-04-28
R APPLICATION NUMBER: 60/084600
                                                                                                                                            R FILING DATE: 1998-05-07
R FILING DATE: 1998-05-07
R FILING DATE: 1998-06-28
R APPLICATION NUMBER: 60/087607
R FILING DATE: 1998-06-02
R APPLICATION NUMBER: 60/087609
R FILING DATE: 1998-06-02
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FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088824
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APPLICATION UNDBER: 60/088861
FILING DATE: 1998-06-11
APPLICATION NUMBER: 60/088876
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APPLICATION NUMBER: 60/089105
FILING DATE: 1998-06-12
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FILING DATE: 1998-06-16
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FILING DATE: 1998-06-03
APPLICATION NUMBER: 6/088021
FILING DATE: 1998-06-04
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FILING DATE: 1998-06-04
APPLICATION NUMBER: 60/088028
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PPLICATION NUMBER: 60/088734
ILING DATE: 1998-06-10
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ILING DATE: 1998-06-10
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APPLICATION NUMBER: 60/088858
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APPLICATION NUMBER: 60/089532
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FILING DATE: 1998-06-02
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FILING DATE: 1998-06-04
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PLICATION NUMBER: 60/088029
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LING DATE: 1998-06-04
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FILING DATE: 1998-06-04
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LING DATE: 1998-06-04
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FILING DATE: 1998-06-05
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PPLICATION NUMBER: 60/088655
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APPLICATION NUMBER: 60/08826
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APPLICATION NUMBER: 60/089538
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PRIOR APPLICATION NUMBERS: 60/09538
PRIOR APPLICATION NUMBERS: 60/08559
PRIOR PLILING DATE: 1998-06-17
PRIOR PLILING DATE: 1998-06-18
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R FILING DATE: 1998-06-19
R APPLICATION NUMBER: 60/089948
R FILING DATE: 1998-06-19
R PILICATION NUMBER: 60/089952
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R APPLICATION NUMBER: 60/090246
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R FILING DATE: 1998-06-24
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APPLICATION NUMBER: 60/090678
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APPLICATION NUMBER: 60/090695
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APPLICATION NUMBER: 60/089538
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APPLICATION NUMBER: 60/089801
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APPLICATION NUMBER: 60/090676
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APPLICATION NUMBER: 60/090694
APPLICATION NUMBER: 60/089514
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APPLICATION NUMBER: 60/089532
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PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR PILING DATE: 1998-07-01
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PRIOR APPLICATION NUMBER: 60/091519
PRIOR PILING DATE: 1998-07-02
PRIOR PILING DATE: 1998-07-02
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
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RIOR FILING DATE: 1997-06-16
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PRIOR FILING DATE: 1997-10-17
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PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
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PRIOR FILING DATE: 1998-07-09
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Gurney, Austin L.
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Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
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Williams, P. Mickey
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Gerber, Hanspeter
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Godowski, Paul
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Botstein, David
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C72
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CURRENT FILING DATE: 2001-11-20
                                   PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR APPLICATION NUMBER: 60/091360
PRIOR APPLICATION NUMBER: 60/091479
PRIOR PILING DATE: 1998-07-02
PRIOR PELING DATE: 1998-07-02
PRIOR PELING DATE: 1998-07-02
PRIOR PILING DATE: 1998-07-02
PRIOR PAPLICATION NUMBER: 60/091519
PRIOR PELING DATE: 1998-07-02
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PRIOR PAPLICATION NUMBER: 60/091626
PRIOR PELING DATE: 1998-07-02
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Patent No. 7029873
GENERAL INFORMATION:
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PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
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Grimaldi, J.Christopher
Gurney, Austin L.
Kljavin, Ivar J.
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Stewart, Timothy A.
Tumas, Daniel
Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
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Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, Audrey
FILING DATE: 1998-06-26
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Paoni, Nicholas F.
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Best Local Similarity 100.
Matches 89; Conservative
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APPLICATION NUMBER: 60/088030
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FILING DATE: 1998-06-05
APPLICATION NUMBER: 60/088212
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PLICATION NUMBER: 60/088655
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APPLICATION NUMBER: 60/088858
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FILING DATE: 1998-06-11
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APPLICATION NUMBER: 60/089440
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APPLICATION NUMBER: 60/089512
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APPLICATION NUMBER: 60/087607
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APPLICATION NUMBER: 60/088029
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APPLICATION NUMBER: 60/088824
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  PLICATION NUMBER: 60/065311
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APPLICATION NUMBER: 60/075945
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PRIOR APPLICATION NUMBER: 60/089440 PRIOR FILING DATE: 1998-06-16 PRIOR APPLICATION NUMBER: 60/089512 PRIOR FILING DATE: 1998-06-16 PRIOR APPLICATION NUMBER: 60/089514 PRIOR FILING DATE: 1998-06-16 PRIOR PILING DATE: 1998-06-17 PRIOR APPLICATION NUMBER: 60/089538 PRIOR APPLICATION NUMBER: 60/089538	APPLICATION NUMBER: 60/ FILING DATE: 1998-06-17 APPLICATION NUMBER: 60/ APPLICATION NUMBER: 60/ APPLICATION NUMBER: 60/ APPLICATION NUMBER: 60/ APPLICATION NUMBER: 60/ FILING DATE: 1998-06-18 APPLICATION NUMBER: 60/ FILING DATE: 1998-06-18 APPLICATION NUMBER: 60/ FILING DATE: 1998-06-18 APPLICATION NUMBER: 60/ FILING DATE: 1998-06-18	PRIOR APPLICATION NUMBER: 60/089947 PRIOR PILLOR DATE: 1998-06-19 PRIOR PELICATION NUMBER: 60/089948 PRIOR APPLICATION NUMBER: 60/08952 PRIOR APPLICATION NUMBER: 60/08054 PRIOR FILLING DATE: 1998-06-19 PRIOR FILLING DATE: 1998-06-22 PRIOR PILLING DATE: 1998-06-23 PRIOR PILLING DATE: 1998-06-23 PRIOR PILLING DATE: 1998-06-23 PRIOR PILLING DATE: 1998-06-23	APPLICATION PELLING DATE: APPLICATION N FILING DATE: APPLICATION N APPLICATION N	PRIOR FILING DATE: 1998-06-24 PRIOR APPLICATION NUMBER: 60/090540 PRIOR PILING DATE: 1998-06-24 PRIOR PILING DATE: 1998-06-24 PRIOR PLING DATE: 1998-06-24 PRIOR PELICATION NUMBER: 60/090557 PRIOR PELING DATE: 1998-06-25 PRIOR PELING DATE: 1998-06-25 PRIOR APPLICATION NUMBER: 60/090676 PRIOR APPLICATION NUMBER: 60/090676 PRIOR APPLICATION NUMBER: 60/090676 PRIOR APPLICATION NUMBER: 60/090691 PRIOR PILING DATE: 1998-06-25 PRIOR PLING DATE: 1998-06-25 PRIOR APPLICATION NUMBER: 60/090695
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6 / 06 / 06 / 06 / 06 / 06 / 06 / 06 /	FILING DATE: 1998-03-20 APPLICATION NUMBER: 60/08312 APPLICATION NUMBER: 60/084600 FILING DATE: 1998-04-28 FILING DATE: 1998-05-07 APPLICATION NUMBER: 60/087106 FILING DATE: 1998-05-07 APPLICATION NUMBER: 60/087607 FILING DATE: 1998-06-02 APPLICATION NUMBER: 60/087609 FILING DATE: 1998-06-02 APPLICATION NUMBER: 60/08759	FILING DATE: 1998-06-02  PULING DATE: 1998-06-03  APPLICATION NUMBER: 60/08321  APPLICATION NUMBER: 60/088021  FILING DATE: 1998-06-04  FILING DATE: 1998-06-04  APPLICATION NUMBER: 60/088026  FILING DATE: 1998-06-04  APPLICATION NUMBER: 60/088026  FILING DATE: 1998-06-04  APPLICATION NUMBER: 60/088029  FILING DATE: 1998-06-04  APPLICATION NUMBER: 60/088029  FILING DATE: 1998-06-04  APPLICATION NUMBER: 60/088030  FILING DATE: 1998-06-04	A APPLICATION NUMBER: 60/088033  R FILING DATE: 1998-06-04  R PILING DATE: 1998-06-04  R APPLICATION NUMBER: 60/088167  R APPLICATION NUMBER: 60/088167  R APPLICATION NUMBER: 60/088202  R FILING DATE: 1998-06-05  R RILING DATE: 1998-06-05  R RILING DATE: 1998-06-05  R R FILING DATE: 1998-06-05  R R PLING DATE: 1998-06-05  R APPLICATION NUMBER: 60/088217  R FILING DATE: 1998-06-05  R APPLICATION NUMBER: 60/08855	APPLICATION NUMBER: 60/088734 RILING DATE: 1998-06-10 APPLICATION NUMBER: 60/088738 RILING DATE: 1998-06-10 APPLICATION NUMBER: 60/088742 RILING DATE: 1998-06-10 APPLICATION NUMBER: 60/08810 RILING DATE: 1998-06-10 RILING DATE: 1998-06-10 APPLICATION NUMBER: 60/08824 RILING DATE: 1998-06-10 APPLICATION NUMBER: 60/08826 RILING DATE: 1998-06-11 RILING DATE: 1998-06-11 APPLICATION NUMBER: 60/08861 RILING DATE: 1998-06-11

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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C46
CURRENT APPLICATION NUMBER: US/09/997,514
CURRENT FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: 60049787
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PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
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PRIOR FILING DATE: 1998-06-36
PRIOR PILING DATE: 1998-07-01
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Patent.No. 7019116
GENERAL INFORMATION:
APPLICANT: Bakkenazi, Avi J.
APPLICANT: Bakker, Kevin P.
APPLICANT: Botstein, David
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Godowski, Paul J.
Grimaldi, J.Christopher
Gurney, Austin L.
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Williams, P. Mickey
Wood, William I.
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Stewart, Timothy A.
Tumas, Daniel
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Ferrara, Napoleone
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Gerritsen, Mary E
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PRIOR FILING DATE: 1997-06-16
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PRIOR APPLICATION NUMBER: 60/065186
PRIOR PILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065101
PRIOR FILING DATE: 1997-11-12
PRIOR PILING DATE: 1998-02-25
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PRIOR APPLICATION NUMBER: 60/08825
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  CURRENT CURRENT
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
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PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090695
PRIOR PLING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090696
PRIOR APPLICATION NUMBER: 60/090696
PRIOR APPLICATION NUMBER: 60/090662
PRIOR FILING DATE: 1998-06-26
PRIOR PILING DATE: 1998-07-01
PRIOR PILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091360
PRIOR PILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091549
PRIOR FILING DATE: 1998-07-01
PRIOR PLING DATE: 1998-07-02
PRIOR PLING DATE: 1998-07-07
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Patent No. 7018811
GENERAL INFORMATION:
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PRIOR FILING DATE: 1998-07-09
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Grimaldi, J.Christopher
Gurney, Austin L.
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Williams, P. Mickey
Wood, William I.
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Stewart, Timothy A.
Tumas, Daniel
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Gerber, Hanspeter
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APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
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APPLICATION NUMBER: 60/089440
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APPLICATION UNDBER: 60/090252
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APPLICATION NUMBER: 60/090254
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APPLICATION NUMBER: 60/090445
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APPLICATION NUMBER: 60/090542
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APPLICATION NUMBER: 60/089512
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APPLICATION NUMBER: 60/089908
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PLICATION NUMBER: 60/089947
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FILING DATE: 1998-06-19
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APPLICATION NUMBER: 60/090694
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                                                                        TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2730P1C61 CURRENT APPLICATION NUMBER: US/09/989,735
                                                CURRENT APPLICATION NUMBER: US/09/989, CURRENT FILING DATE: 2001-11-19 PRIOR PELICATION NUMBER: 60/049787 PRIOR FILING DATE: 1997-06-16 PRIOR PELING DATE: 1997-10-17 PRIOR APPLICATION NUMBER: 60/065250 PRIOR PILING DATE: 1997-11-12 PRIOR APPLICATION NUMBER: 60/065311 PRIOR FILING DATE: 1997-11-13 PRIOR PILING DATE: 1997-11-13 PRIOR APPLICATION NUMBER: 60/065311 PRIOR FILING DATE: 1997-11-13
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APPLICATION NUMBER: 60/075945
FILING DATE: 1998-02-25
APPLICATION NUMBER: 60/078910
FILING DATE: 1998-03-20
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FILING DATE: 1998-06-02
APPLICATION NUMBER: 60/087827
APPLICATION NUMBER: 60/088021
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APPLICATION NUMBER: 60/088025
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APPLICATION NUMBER: 60/088202
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APPLICATION NUMBER: 60/088858
FILING DATE: 1998-06-11
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APPLICATION NUMBER: 60/084600
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APPLICATION NUMBER: 60/088810
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APPLICATION NUMBER: 60/090472
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APPLICATION UNDBER: 60/090557
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APPLICATION NUMBER: 60/089600
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100.0%; Pred. No. 2.2e-51;
tive 0; Mismatches 0;
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PRIOR APPLICATION NUMBER: 60/090690
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090694
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PRIOR PELING DATE: 1998-07-01
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PRIOR APPLICATION NUMBER: 60/09154
PRIOR PELING DATE: 1998-07-02
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PRIOR APPLICATION NUMBER: 60/09168
PRIOR PILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/09182
PRIOR PILING DATE: 1998-07-07
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Patent No. 6972185
GENERAL INFORMATION:
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Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
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Paoni, Nicholas F.
Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
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Fong, Sherman
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Goddard, Audrey
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Kljavin, Ivar J.
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Matches 89; Conservative
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Zhang, Zemin

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APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730PIC20
CURRENT APPLICATION NUMBER: US/09/992,598
CURRENT FILING DATE: 2001-11-14
                                                                                                                                                                              CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR PLING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR PLING DATE: 1997-10-17
PRIOR FILING DATE: 1997-11-12
PRIOR PLING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/065311
PRIOR PLING DATE: 1997-11-3
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/065311
PRIOR PLING DATE: 1998-02-25
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR PRIOR APPLICATION NUMBER: 60/08362
PRIOR PRIOR DATE: 1998-03-20
PRIOR PLING DATE: 1998-03-28
PRIOR PLING DATE: 1998-05-28
PRIOR PLING DATE: 1998-05-29
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PLICATION NUMBER: 60/088033
LING DATE: 1998-06-04
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APPLICATION NUMBER: 60/088025
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APPLICATION NUMBER: 60/088026
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APPLICATION NUMBER: 60/088742
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APPLICATION NUMBER: 60/087827
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APPLICATION NUMBER: 60/088028
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APPLICATION NUMBER: 60/088029
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ING DATE: 1998-06-04
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ING DATE: 1998-06-05
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APPLICATION NUMBER: 60/088734
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FILING DATE: 1998-06-10
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R FILING DATE: 1998-06-25
R APPLICATION NUMBER: 60/090678
R PILING DATE: 1998-06-25
R APPLICATION NUMBER: 60/090690
R FILING DATE: 1998-06-25
R APPLICATION NUMBER: 60/090694
R PILING DATE: 1998-06-25
R APPLICATION NUMBER: 60/090695
R APPLICATION NUMBER: 60/090695
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NR FILING DATE: 1998-66-26

NR APPLICATION NUMBER: 60/091360

NR APPLICATION NUMBER: 60/091478

NR APPLICATION NUMBER: 60/091478

NR APPLICATION NUMBER: 60/09154

NR APPLICATION NUMBER: 60/09154

NR FILING DATE: 1998-07-01

NR APPLICATION NUMBER: 60/091626

NR APPLICATION NUMBER: 60/091633

NR APPLICATION NUMBER: 60/091633
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FILING DATE: 1998-07-07
APPLICATION NUMBER: 60/091982
FILING DATE: 1998-07-07
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FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/090862
FILING DATE: 1998-06-26
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FILING DATE: 1998-07-09
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Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
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Gerber, Hanspeter
Gerritsen, Mary E.
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Best Local Similarity 100.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Botstein, David
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Godowski, Paul
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eaton, Dan L.
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JS-09-992-598-262
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R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089600

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R APPLICATION NUMBER: 60/089601

R APPLICATION NUMBER: 60/089801

R APPLICATION NUMBER: 60/089907

R APPLICATION NUMBER: 60/089907

R APPLICATION DATE: 1998-06-18
                                                                                                                                                                                                   R FILING DATE: 1998-06-11
R APPLICATION NUMBER: 60/088976
R FILING DATE: 1998-06-11
R APPLICATION NUMBER: 60/089105
R FILING DATE: 1998-06-12
R APPLICATION NUMBER: 60/089440
                                                                                                                                                                                                                                                                                                                                                                              R FILING DATE: 1998-06-16
R APPLICATION NUMBER: 60/089512
R FILING DATE: 1998-06-16
R APPLICATION NUMBER: 60/089514
R FILING DATE: 1998-06-16
R APPLICATION NUMBER: 60/089532
R FILING DATE: 1998-06-17
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APPLICATION NUMBER: 60/090472
FILING DATE: 1998-06-24
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FILING DATE: 1998-06-23
APPLICATION NUMBER: 60/090429
FILING DATE: 1998-06-24
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FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090445
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FILING DATE: 1998-06-18
PAPLICATION NUMBER: 60/089947
FILING DATE: 1998-06-19
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FILING DATE: 1998-06-22
APPLICATION NUMBER: 60/090349
FILING DATE: 1998-06-23
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FILING DATE: 1998-06-24
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APPLICATION NUMBER: 60/090557
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APPLICATION NUMBER: 60/089598
FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089599
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LING DATE: 1998-06-22
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APPLICATION NUMBER: 60/090676
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                                                                                FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088858
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APPLICATION NUMBER: 60/088861
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                     PRINCR PR
                                                                                                                                                 APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
                                                                                                                                                                                                                            TILLE REPERENCE: P2730P1C27

CURRENT APPLICATION NUMBER: US/09/997,333

CURRENT PILING DATE: 2001-11-15

PRIOR APPLICATION NUMBER: 60/049787

PRIOR PILING DATE: 1997-06-16

PRIOR PILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/06250

PRIOR PILING DATE: 1997-11-12

PRIOR PILING DATE: 1997-11-12

PRIOR PILING DATE: 1997-11-13

PRIOR PILING DATE: 1997-11-24

PRIOR PILING DATE: 1997-11-24

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PRIOR FILING DATE: 1997-11-24

PRIOR FILING DATE: 1997-11-24

PRIOR FILING DATE: 1998-02-25

PRIOR PILING DATE: 1998-02-25

PRIOR PILING DATE: 1998-03-25

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PRIOR FILING DATE: 1998-03-25
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PRIOR FILING DATE: 1998-05-28
PRIOR FILING DATE: 1998-05-28
PRIOR PELICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR FILING DATE: 1998-06-02
PRIOR FILING DATE: 1998-06-03
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PRIOR FILING DATE: 1998-06-03
PRIOR PILING DATE: 1998-06-03
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PRIOR PELING DATE: 1998-06-05
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R APPLICATION NUMBER: 60/087106

R APPLICATION NUMBER: 60/087607

R FILING DATE: 1998-06-02

R FILING DATE: 1998-06-02

R FILING DATE: 1998-06-02

R FILING DATE: 1998-06-02

R APPLICATION NUMBER: 60/08759
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R FILING DATE: 1998-02-25
R APPLICATION NUMBER: 60/078910
R FILING DATE: 1998-03-20
R FILING DATE: 1998-04-28
R APPLICATION NUMBER: 60/084600
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FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088738
FILING DATE: 1998-06-10
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FILING DATE: 1998-06-10
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                           Tumas, Daniel
Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
Stewart, Timothy A.
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R FILING DATE: 1998-06-19
R APPLICATION NUMBER: 60/089952
R PILING DATE: 1998-06-19
R APPLICATION NUMBER: 60/090246
R FILING DATE: 1998-06-22
R APPLICATION NUMBER: 60/090252
R APPLICATION NUMBER: 60/090254
R APPLICATION NUMBER: 60/090349
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R APPLICATION NUMBER: 60/090349
R APPLICATION NUMBER: 60/090355
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R APPLICATION NUMBER: 60/089532
R APPLICATION NUMBER: 60/089538
R PILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/089598
R FILING DATE: 1998-06-17
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R APPLICATION NUMBER: 60/089599
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R APPLICATION NUMBER: 60/088826
R FILING DATE: 1998-06-10
R PILING DATE: 1998-06-11
R FILING DATE: 1998-06-11
R APPLICATION NUMBER: 60/088861
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R APPLICATION NUMBER: 60/089440
R FILING DATE: 1998-06-16
R APPLICATION NUMBER: 60/089512
R FILING DATE: 1998-06-16
R APPLICATION NUMBER: 60/089514
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R APPLICATION NUMBER: 60/090431
R FILING DATE: 1998-06-24
R FILING DATE: 1998-06-24
R FILING DATE: 1998-06-24
R APPLICATION NUMBER: 60/090444
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APPLICATION NUMBER: 60/089600
FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089653
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APPLICATION NUMBER: 60/090445
FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088810
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APPLICATION NUMBER: 60/088824
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APPLICATION NUMBER: 60/089907
FILING DATE: 1998-06-18
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FILING DATE: 1998-06-18
APPLICATION NUMBER: 60/089947
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FILING DATE: 1998-06-24
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PPLICATION NUMBER: 60/090535
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APPLICATION NUMBER: 60/08876
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APPLICATION NUMBER: 60/089105
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APPLICATION NUMBER: 60/089801
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1 MERVTLALLLLAGLTALEANDPFANKDDPFYYDWKNLQLSGLICGGLLAIAGIAAVLSGK 60
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R APPLICATION NUMBER: 60/090862
R FILING DATE: 1998-06-26
R APPLICATION NUMBER: 60/090863
R FILING DATE: 1998-06-26
R APPLICATION NUMBER: 60/091360
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APPLICATION NUMBER: 60/091519
FILING DATE: 1998-07-02
APPLICATION NUMBER: 60/091626
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FILING DATE: 1998-07-07
APPLICATION NUMBER: 60/092182
FILING DATE: 1998-07-09
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FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/090690
FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/090694
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FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/090696
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APPLICATION NUMBER: 60/091478
FILING DATE: 1998-07-02
APPLICATION NUMBER: 60/091544
FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090676
FILING DATE: 1998-06-25
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FILING DATE: 1998-07-02
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                                                                                                                                FILING DATE: 1998-06-25
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Roy, Margaret Ann
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Napier, Mary A.
Pan, James
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APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
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Godowski, Paul
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APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
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CURRENT APPLICATION NUMBER: US/09/990,444
CURRENT FILING DATE: 1997-10-11-14
PRIOR APPLICATION NUMBER: 60/062260
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-11-12
PRIOR FILING DATE: 1997-11-12
PRIOR FILING DATE: 1997-11-13
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PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-04-02
PRIOR FILING DATE: 1998-05-07
PRIOR FILING DATE: 1998-06-02
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PPLICATION NUMBER: 60/088167
ILING DATE: 1998-06-05
PPLICATION NUMBER: 60/088202
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APPLICATION NUMBER: 60/088212
FILING DATE: 1998-06-05
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FILING DATE: 1998-06-05
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PPLICATION NUMBER: 60/088734
                                                    Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
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Williams, P. Mickey
Wood, William I.
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                           aoni, Nicholas F.
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100.0%; Pred. No. 2.2e-51;
tive 0; Mismatches 0;
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R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090542

R FILING DATE: 1998-06-24

R FILING DATE: 1998-06-24

R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090576

R FILING DATE: 1998-06-25

R APPLICATION NUMBER: 60/090678

R PILING DATE: 1998-06-25

R APPLICATION NUMBER: 60/090694

R FILING DATE: 1998-06-25

R APPLICATION NUMBER: 60/090694

R FILING DATE: 1998-06-25

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R APPLICATION NUMBER: 60/090696

R FILING DATE: 1998-06-25

R APPLICATION NUMBER: 60/090862

R APPLICATION NUMBER: 60/090863

R APPLICATION NUMBER: 60/090863

R APPLICATION NUMBER: 60/090863

R APPLICATION NUMBER: 60/091860

R FILING DATE: 1998-06-26
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R FILING DATE: 1998-07-02

RR APPLICATION NUMBER: 60/091978

RR FILING DATE: 1998-07-07

RR APPLICATION NUMBER: 60/091982

RR FILING DATE: 1998-07-07
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FILING DATE: 1998-07-01
APPLICATION NUMBER: 60/091519
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PRIOR FILING DATE: 1998-07-09
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FILING DATE: 1998-07-02
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FILING DATE: 1998-07-02
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Grimaldi, J.Christopher
Gurney, Austin L.
Kljavin, Ivar J.
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Eaton, Dan L.
Ferrara, Napoleone
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Goddard, Audrey
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Matches 89; Conservative
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Botstein, David
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APPLICATION NUMBER: 60/088810
FILING DATE: 1998-06-10
AAPPLICATION NUMBER: 60/08824
FILING DATE: 1998-06-10
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PPLICATION NUMBER: 60/089512
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APPLICATION NUMBER: 60/090535
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APPLICATION NUMBER: 60/089440
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LING DATE: 1998-06-17
PPLICATION NUMBER: 60/089599
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PLICATION NUMBER: 60/089907
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PLICATION NUMBER: 60/089947
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PPLICATION NUMBER: 60/090246
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FILING DATE: 1998-06-23
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PLICATION NUMBER: 60/090431
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APPLICATION NUMBER: 60/090540
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PLICATION NUMBER: 60/089600
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PLICATION NUMBER: 60/089653
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PPLICATION NUMBER: 60/089952
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                                                                                                                                                                                                                                                 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same PILE REPERENCE: P27304D1C53
CURRENT APPLICATION NUMBER: US/09/991,181
CURRENT FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-60-16
PRIOR APPLICATION NUMBER: 60/06250
PRIOR APPLICATION NUMBER: 60/062186
PRIOR FILING DATE: 1997-11-12
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FILING DATE: 1998-06-02
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FILING DATE: 1998-06-04
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FILING DATE: 1998-06-05
APPLICATION NUMBER: 60/088202
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APPLICATION NUMBER: 60/075945
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FILING DATE: 1998-06-10
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FILING DATE: 1997-11-13
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NG DATE: 1998-04-28
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FILING DATE: 1998-06-02
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FILING DATE: 1998-06-03
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FILING DATE: 1998-06-04
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                                                                                                                                                                     Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
                                                                                                        Roy, .Margaret Ann
Stewart, Timothy A
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                                                                                   Paoni, Nicholas F
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Surney, Austin L.
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                           javin, Ivar J
                                        Napier, Mary A.
                                                                                                                                                  Daniel
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Sequence 2, Appli Sequence 6051, Ap Sequence 5179, Ap Sequence 21952, A Sequence 4565, Ap Sequence 4016, A Sequence 55232, A Sequence 55232, A Sequence 25761, A Sequence 25, Appl Sequence 25, Appl Sequence 25, Appl Sequence 25, Appl Sequence 27, Appl	Sequence 357, App. Sequence 9757, App. Sequence 9757, App. Sequence 9118, App. Sequence 9118, App. Sequence 118, App. Sequence 124, App. Sequence 16, App. Sequence	acunente edurante estamba esta
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                                                 GenCore version 5.1.9
Copyright (c) 1993 - 2006 Biocceleration Ltd.
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S-09-992-598-262
S-09-989-735-262
S-09-989-726-262
S-09-997-214-262
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US-08-725-531-5
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Sequence 199, App Sequence 424, App Sequence 424, App Sequence 424, App Sequence 6085, App Sequence 6085, App Sequence 6085, App Sequence 6085, App Sequence 6, Appli Sequence 1112, Ap Sequence 1038, Ap Sequence 1993, App Sequence 1993, App

269, App 269, App 1, Appli 1, Appli 1, Appli 473, App 199, App 199, App

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3725, Ap 925, App 860, App

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Sequence Sequence

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13, Appl 83, Appl 28424, A

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41830, A 7, Appli

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Appli 3, Appli

Sequence Sequence Sequence

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        Query Match
        20.4%;
        Score 94;
        DB 7;
        Length 178;

        RESULT 1498
        Local Similarity
        43.9%;
        Pred. No. 0.0035;
        Length 178;

        ID ADF74108
        standard;
        protein;
        178 AA.
        DB Human cell adhesion inhibitor protein disadherin.

        PA JP2001174885-A.
        DB J4.0W-2003.
        24-JUN-2003.
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        RCOKU-)

        PA (KOKU-)
        KCOKU-)
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Length 178;

Length 178;

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Length 178;

Length 178;

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Length 178

DB 7; 0.0035;

10-APR-2003

Query Match

Query Match

05-JUN-200

Query Match

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Novel human secreted and transmembrane protein PRO6241.
US2003207399-A1.
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Novel human secreted and transmembrane protein PRO6241.
US2003207398-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel human secreted and transmembrane protein PRO6241. US2003207397-A1.
                                                                                                                                                                                                                                                                                                                                                                                     ABM32621 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068713-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABM317706 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068761-A1.
                                                                                                                                                                                                                                   ABM32316 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068708-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABM31096 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068771-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADD06015 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271.
US2003087376-A1.
                                Query Match 20.4%; Score 94; DB 7; 1
Best Local Similarity 43.9%; Pred. No. 0.0035;
RESULT 1489
DD ADB86285 standard; protein; 178 AA.
DB Human secreted/transmembrane protein (PRO) #271
PN US2003054472-A1.
                              20.4%; Score 94; DB 7; 43.9%; Pred. No. 0.0035;
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(GETH ) GENENTECH INC.
:ry Match 20.4%; Score 94; DB 7;
:ry Match 43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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(GETH ) GENENTECH INC.
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it Local Similarity 43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No.
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Pred. No.
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08-MAY-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
20.4%; SC
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10-APR-2003.
(GETH ) GENENTECH INC.
20.4%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
               (GETH ) GENENTECH INC.
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RESULT 1491
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US2003068694-A1.
10-APR-2003.
(GETH ) GENENTECH INC.
20.4%; Score 94; DB 7; Length 178;
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(GETH) GENENTECH INC.
ery Match
20.4%; Score 94; DB 7; Length 178;
ery match 20.4%; Pred. No. 0.0035;
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(GETH ) GENENTECH INC.
ry Match 20.4%; Score 94; DB 7; Length 178;
r Toral Similarity 43.9%; Pred. No. 0.0035;
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(GETH ) GENENTECH INC.
ery Match 20.4%; Score 94; DB 7; Length 178;
ery ---- similarity 43.9%; Pred. No. 0.0035;
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Human secreted polypeptide PR06241, SEQ ID NO:542.
US2003068762-A1.
10-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                   ABM75377 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003104544-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABM33657 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542
US2003096357-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABM32011 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003068680-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AD82977 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271.
US2003049755-A1.
                                                                                                                          ABO36977 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003068715-A1.
                                                                                                                                                                                                                                                                          ABO37587 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003068726-A1.
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(GETH ) GENENTECH INC.
ry Match 20.4%; Score 94; DB 7;
rrand similarity 43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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US2003049760-A1.
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10-APR-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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RESULT 1487
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Best Local Similarity
RESULT 1488
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RESULT 1482
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RESULT 1480
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Best Local Similarity
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Query Match

RESULT

RESULT

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(GETH ) GENENTECH INC.
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                                                                        Best Local Similarity
RESULT 1471
                                                                                                                                                                                                  Best Local Similarity RESULT 1472
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RESULT 1479
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                                                                                                                                                                                       Query Match
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                             Length 178;
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                                                                       ABM74767 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003096351-A1.
                                                                                                                                                                                                    ABM33962 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542.
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Human secreted polypeptide PR06241, SEQ ID NO:542
US2003040065-Al.
                                                                                                                                                                                                                                                                                                                                            Human secreted polypeptide PR06241, SEQ ID NO:542 US2003104556-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABR72978 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542
US2003036122-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human secreted/transmembrane protein (PRO) #271
US2003049756-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human secreted/transmembrane protein (PRO) #271 US2003044919-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LT 1469
AB017450 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003040077-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 1466
ID ABO15620 standard; protein; 178 AA.
DE Human secreted/transmembrane protein (PRO) #271
PN US2003036121-A1.
                                                                                                                                                                                                                                                                                20.4%; Score 94; DB 7; 43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
                               Score 94; DB 7;
Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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                                                                                                                                                                                                                                                                                                                                                                                                            20.4%;
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ABO15315 standard; protein;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
                                                                                                                        22-MAY-2003.
(GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
                            Query Match
Best Local Similarity
RESULT 1461
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Best Local Similarity
RESULT 1470
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US2003068681-A1
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                  10-APR-2003.
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RESULT 1463

RESULT 1464

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03-APR-2003.
(GETH ) GENENTECH INC.
ery Match 20.4%; Score 94; DB 7; Length 178;
ery match 43.9%; Pred. No. 0.0035;
                                                                    Length 178;
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ABM17739 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003304928-A1.
06-WAR-2003.
                                                                                                                           ABR85640 standard, protein, 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003049746-A1.
                                                                                                                                                                                                                                                                        ABM77206 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003054464-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABM23166 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003068757-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABM30486 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068723-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABM21946 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068741-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABM21641 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068744-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABMI5172 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068766-A1.
10-APR-2003.
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Human secreted/transmembrane protein (PRO) #271.
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(GETH ) GENENTECH INC.

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20.4%; Score 94; DB 7;

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21.3%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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(GETH ) GENENTECH INC.
20.4%; SC
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(GETH ) GENENTECH INC.
20,4%; St.
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10-APR-2003.
(GETH ) GENENTECH INC.
20.4%; S'
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(GETH ) GENENTECH INC.
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) GENENTECH INC.
20.4%; S
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ABM08462 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068754-A1.
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068683-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                ABM78426 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003049764-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABR90215 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003073177-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABM27741 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003064442-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABM13342 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003064450-A1.
03-APR-2003.
ABR93960 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003054457-A1.
                                                                                                                                                                                      nomuzu03 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542.
072x00305983-A1.
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Human secreted/transmembrane protein (PRO) #271.
US2003068731-A1.
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Human secreted/transmembrane protein (PRO) #271
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(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
(ery Match 20.4%; Score 94; DB 7;
(ery Match 7; Pred. No. 0.0035;
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20-MAR-2003.
(GFFH ) GENENTECH INC.
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LETY MATCh 20.4%; Pred. No. 0.0035;
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(GETH ) GENENTECH INC.
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27-MAR-2003.
erg Match 20.4%; Score 94; DB 7;
ery Match 43.9%; Pred. No. 0.0035;
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(GETH ) GENENTECH INC.
20.4%; S/
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13-MAR-2003.
(GETH ) GENENTECH INC.
Match 'Totty 43.9%;
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(GETH ) GENENTECH INC.
20.4%;
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(GETH ) GENENTECH INC.
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RESULT 1453
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RESULT 1454
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Best Local Similarity
RESULT 1456
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RESULT 1455
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                                                                                                                                                                Best Local Similarity
                                                                                                                                                                                      RESULT 1452
ID ABM02003 standard;
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                           10-APR-2003.
(GETH ) GENENTECH INC.
20.4%; Score 94; DB 7; Length 178;
ery Match 20.4%; Pred. No. 0.0035;
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003040067-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABR79102 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003054456-A1.
                                                                                                                                                                  ABM09987 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003073178-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABM34877 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003104538-A1.
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Human secreted/transmembrane protein (PRO) #271.
US2003054482-A1.
                                                                                                                                                                                                                                                                                                                                                                      ABO39112 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271.
US2003068774-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABO51353 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003049781-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABO04179 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003036158-A1.
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Pred. No. 0.0035;
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(GETH ) GENENTECH INC.
iry Match
20.4%; Score 94; DB 7;
iry Match
43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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-2003.
) GENENTECH INC.
20.4%; S.
43.9%; F
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13-MAR-2003.
(GETH ) GENENTECH INC.
20.4%;
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(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 1450
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Best Local Similarity
RESULT 1449
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Best Local Similarity
RESULT 1451
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Best Local Similarity
RESULT 1446
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Best Local Similarity
RESULT 1447
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RESULT 1442
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        US2003068686-A1.
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(GETH ) GEN
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Length 178;

Score 94; DB 7; Pred. No. 0.0035;

Length 178;

Score 94; DB 7; Pred. No. 0.0035;

Length 178;

Length 178;

Length 178;

Length 178;

Length 178;

Length 178;

Score 94; DB 7; Pred. No. 0.0035;

20.4%; (GETH ) GENENTECH INC Query Match Best Local Similarity RESULT 1433 Best Local Similarity RESULT 1436 Best Local Similarity RESULT 1440 Best Local Similarity RESULT 1434 Query Match Best Local Similarity RESULT 1437 Best Local Similarity Best Local Similarity Local Similarity 17-APR-2003 (GETH ) GEN 27-MAR-2003 10-APR-2003 Ouery Match Match Query Match RESULT 1438 Query 05-JUN-2003. (GETH) GENENTECH INC. ery Match 20.4%; Score 94; DB 7; Length 178; Score 94; DB 7; Length 178; Pred. No. 0.0035; Length 178; Length 178; 20.4%; Score 94; DB 7; Length 178; 43.9%; Pred. No. 0.0035; Length 178; Length 178; Length 178; Score 94; DB 7; Length 178; Pred. No. 0.0035; Length 178; ABM19201 standard; protein; 178 AA. Human secreted polypeptide PRO6241, SEQ ID NO:542. US2003104550-A1. Human secreted polypeptide PR06241, SEQ ID NO:542. ABK69261 standard; protein; 178 AA. . . Human secreted polypeptide PR06241, SEQ ID NO:542. US2003027273-A1. ABR89310 standard; protein; 178 AA. Human secreted polypeptide PRO6241, SEQ ID NO:542. US2003036119-A1. ABR72673 standard; protein; 178 AA. Human secreted polypeptide PR06241, SEQ ID NO:542. US2003036120-A1. ABR74503 standard; protein; 178 AA. Human secreted polypeptide PRO6241, SEQ ID NO:542. US2003036161-A1. ABC49218 standard; protein; 178 AA. Human secreted/transmembrane protein (PRO) #271. US2003049757-A1. πουιβ//1 standard; protein; 178 AA. Human secreted/transmembrane protein (PRO) #271. US2003044921-A1. Score 94; DB 7; Pred. No. 0.0035; 94; DB 7; No. 0.0035; Score 94; DB 7; Pred. No. 0.0035; Score 94; DB 7; Pred. No. 0.0035; Score 94; DB 7; Pred. No. 0.0035; 20.4%; Score 94; DB 7; 43.9%; Pred. No. 0.0035; Score Pred. Best Local Similarity 43.9%; Pred. RESULT 1432 ID ABR80477 standard; protein; 178 AA. ABO46717 standard; protein; 178 AA 20.4%; 20.4%; 20.4%; 20.4%; 20.4%; 20.4%; Query Match Best Local Similarity 43.9%; RESULT 1423 43.98; Human PRO polypeptide #271. US2003049761-A1. (GETH ) GENENTECH INC. (GETH ) GENENTECH INC (GETH ) GENENTECH INC (GETH ) GENENTECH INC GENENTECH INC Best Local Similarity Best Local Similarity RESULT 1425 Local Similarity Local Similarity Local Similarity Local Similarity Local Similarity Local Similarity RESULT 1424 ID ABM19506 standard; 06-FEB-2003. 20-FEB-2003. 20-FEB-2003. 13-MAR-2003 13-MAR-200 20-FEB-2003 Match Query Match

RESULT 1429

RESULT

RESULT 1426

Query

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) 03-APR-2003.
A (GETH ) GENENTECH INC.
Query Match 20.4%; Score 94; DB 7; Length 178;
Best Local Similarity 43.9%; Pred. No. 0.0035;
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003049739-A1.
13-MAR-2003.
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US203064444-Al.
                                                                                                                            ABM01698 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003059882-A1.
                                                                                                                                                                                                                                                          Human secreted polypeptide PRO6241, SEQ ID NO:542.
922003059884-Al.
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Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003068687-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABM13037 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003073186-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABM30791 standard, protein, 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003064443-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABM14562 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
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Human secreted/transmembrane protein (PRO) #271.
US2003068697-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABO31435 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003068710-A1.
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(GETH ) GENENTECH INC.
20.4%; Score 94; DB 7;
rr Match 20.4%; Pred. No. 0.0035;
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(GETH ) GENENTECH INC.
iry Match 20.4%; Score 94; DB 7;
iry Match 43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No.
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) GENENTECH INC.
20.4%; Sr. 43.9%; F
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(GETH ) GENENTECH INC.
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20.4%; S
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) GENENTECH INC.
20.4%; S
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Human secreted/transmembrane protein (PRO) #271 US2003032124-A1.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
                                                                             Best Local Similarity
RESULT 1414
ID AB024501 standard; p
DE Human secreted/trans
PN U52003064467-A1.
PD 03-APR-2003.
PA (GETH ) GENENTECH IN
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RESULT 1419
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Best Local Similarity
RESULT 1420
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Best Local Similarity
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                                                   13-FEB-2003.
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RESULT 1415
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                                                   Score 94; DB 6; Length 178; Pred. No. 0.0035;
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Human secreted polypeptide PR06241, SEQ ID NO:542.
US20030440073-A1.
27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABR74808 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003044924-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABR77287 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542
US2003044927-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABM18044 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US200304072-A1.
27-FRB-2003.
                                                 Query Match
Best Local Similarity 43.9%; Pred. No. 0.0035;
RESULT 1404
10 ABO40027 standard; protein; 178 AA.
DE Human secreted/transmembrane protein (PRO) #271.
PD 10-APR-2003.
PD 10-APR-2003.
PD 6ENEW - 1003.
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Human secreted/transmembrane protein (PRO) #271.
US2003054475-A1.
                                                                                                                                                                                                                                                 ABOSO133 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271.
US2003049776-A1.
                                                                                                                                                                                                                                                                                                                                                                                            ABOS1048 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US203049780-A1.
13-MAR-2003.
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Human secreted/transmembrane protein (PRO) #271
US2003036126-A1.
                                                                                                                                                                                                                                                                                                         13-MAR-2005.
(GETH ) GENENTECH INC.
20.4%; Score 94; DB 7;
rry Match 20.4%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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(GETH ) GENENTECH INC.
20.4%; S.
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20-MAR-2003.
(GETH ) GENENTECH INC.
20.4%;
10-APR-2003.
(GETH ) GENENTECH INC.
"arch '.-rity 43.9%;
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RESULT 1413
ID ABO20198 standard.
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Best Local Similarity
RESULT 1405
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RESULT 1412
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Length 178;
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 Length 178;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABMIT732 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003073176-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABM06022 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068717-A1.
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068764-A1.
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
13-2 no.20073170-A1.
                                                                                                                                                                                    ABR66250 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003049759-A1.
                                                                                                                                                                                                                                                                                                                        ABM10902 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003064455-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABM75901 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003054465-A1.
                                               ABO24501 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271.
US2003064467-A1.
                                                                                            O3-APR-2003.

O3-APR-2003.

(GETH ) GENENTECH INC.

20.4%; Score 94; DB 7;

ery Match 20.035;
                                                                                                                                                                                                                                                                                                                                                                  10.4RR-2003.
(GETH ) GENENTECH INC.
Lery Match 20.4%; Score 94; DB 7;
Lery Match 43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
                                                                                                                                                                                                                                                                       20.4%; Score 94; DB 7; 43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
Score 94; DB 7;
Pred. No. 0.0035;
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(922003068728-A1.
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17-APR-2003.
(GETH ) GENENTECH INC.
20.4%;
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10-APR-2003.
(GETH ) GENENTECH INC.
20 4%;
20 4%;
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 20.4%;
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Human PRO polypeptide #271.
US2003049754-A1.
13-MAR-2003.
                                                         Query Match
Best Local Similarity
RESULT 1395
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Best Local Similarity
RESULT 1400
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RESULT 1396
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     06-MAR-2003.
(GETH) GENENTECH INC.
ery Match 20.4%; Score 94; DB 6; Length 178;
                                                                                Length 178;
                                                                                                                                                                                                                   Length 178;
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003045700-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABMI5782 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068698-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABM08767 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
                                                                                                                                                                                                                                                                   ABM27436 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068760-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                 Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003068769-A1.
ABO30825 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271.
US2003064466-A1.
                                                                                                                   Human secreted/transmembrane protein (PRO) #271. (US2003064468-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABO42467 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003049748-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABO38197 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003068765-A1.
                                                                                                                                                                                                                   Score 94; DB 6;
Pred. No. 0.0035;
                                                                                Score 94; DB 6;
Pred. No. 0.0035;
                                                                                                                                                                                                                                                                                                                                                       Score 94; DB 6;
Pred. No. 0.0035;
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Pred. No. 0.0035;
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43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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                                   3446c.
2003.
GENENTECH INC.
20.4%; S.
43.9%; T.
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A (GFTH) GENENTECH INC.
10-CHY MATCh 20.4%;
Best Local Similarity 43.9%;
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(GETH ) GENENTECH INC.
                                                                                                                                                                                  03-APR-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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                                                                                                                                                                                                                                   Local Similarity
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Best Local Similarity
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RESULT 1394
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Query

Query

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Length 178;
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                  Length 178;
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                                                                      ABM66910 standard; protein; 178 AA.

Human secreted polypeptide PR06241, SEQ ID NO:542.
US2003068688-A1.
10.APR-2003.
(GETH) GENENTECH INC.
20.4%; Score 94; DB 6; Ler
stry Match
st Local Similarity 43.9%; Pred. No. 0.0035;
                                                                                                                                                                                                                                                                                                                          Best Local Similarity 43.9%; Pred. No. 0.0035; RESULT 1397

ID ABM19811 standard; protein; 178 AA.

BE Human secreted polypeptide PRO6241, SEQ ID NO:542.

PN US2003104552-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABR88385 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003068720-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABM27131 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABM03528 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068763-A1.
                                                                                                                                                                                                               JT 1396
ADB20654 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003082767-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADA78906 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271.
US2003073181-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABG49523 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003049774-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABC49828 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003049775-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PD 17-APR-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 43.9%; Pred. No. 0.0035;
              20.4%; Score 94; DB 6; 43.9%; Pred. No. 0.0035;
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(GETH ) GENENTECH INC.
ry Match 20.4%; Score 94; DB 6;
rzy Match 43.9%; Pred. No. 0.0035;
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(GETH ) GENENTECH INC.
(ETY Match 20.4%; Score 94; DB 6;
ery Match 43.9%; Pred. No. 0.0035;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 94; DB 6;
Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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13-MAR-2003.
(GETH ) GENENTECH INC.
20.4%; Sr
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13-MAR-2003.
(GET ) GENENTECH INC.
20.4%; S
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(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC
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06-MAR-2003
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(GETH) GENENTECH INC.
ery Match 20.4%; Score 94; DB 6; Length 178;
ery match 43.9%; Pred. No. 0.0035;
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                                                                                                                                                                                                                                                                                        Score 94; DB 6; Length 178; Pred. No. 0.0035;
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   20.4%; Score 94; DB 6; Length 178;
43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003044932-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABR73588 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003054467-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 43.9%; Pred. No. 0.0035; RESULT 1369
ID ABR71758 standard; protein; 178 AA.
DE Human secreted polypeptide PR06241, SEQ ID NO:542.
PN US2003032133-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABR72368 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542.
US2003032136-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABR98707 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542.
US2003036129-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABR85030 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003040057-A1.
                                                                                                                                                                                                                                                                                                                                        ADA83611 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271.
US2003049752-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AB007077 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003040053-A1.
                                                                                                                                                                                                                                                                                                                                                                                        13-MAR-2003.
(GETH) GENENTECH INC.
ery Match 20.4%; Score 94; DB 6;
ery Match 43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
                                          Human PRO polypeptide #271.
13-wman Aman PRO polypeptide #271.
                                                                                                                                                                                               ABO47327 standard; protein; 178 AA.
Human PRO polypeptide #271.
US2003049765-A1.
                                                                                                                                                                                                                                  US200303.
13-MAR-2003.
(GETH ) GENENTECH INC.
20.4%; St
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13-MAR-2003.
(GETH ) GENENTECH INC.
20.4%;
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                                                                                                                                          Query Match
Best Local Similarity
RESULT 1367
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Best Local Similarity
RESULT 1370
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Best Local Similarity
RESULT 1371
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Best Local Similarity
RESULT 1373
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Best Local Similarity
RESULT 1374
Query Match
Best Local Similarity
RESULT 1366
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Best Local Similarity
RESULT 1372
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Length 178;
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Length 178;
                                                                                                            Length 178;
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003049738-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABMII512 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003064469-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABR94265 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003059879-A1.
                                                                                                                                                          ABM18349 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003054469-A1.
                                             ABR73283 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542.
US2003027270-A1.
06-FEB-2003.
                                                                                                                                                                                                                                                                                   ABO20808 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003032126-A1.
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(GETH ) GENENTECH INC.

iry Match

20.4%; Score 94; DB 6;

iry Match

20.4%; Pred. No. 0.0035;
Score 94; DB 6;
Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
                                                                                                          Score 94; DB 6;
Pred. No. 0.0035;
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Human PRO polypeptide #271.
US2003064453-A1.
                                                                                                                                                                                                                                                                                                                                                                                              ABO25551 standard; protein; 178 AA. Human PRO polypeptide #271.
US2003054463-A1.
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03-APK-2003.
(GETH ) GENENTECH INC.
20.4%;
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(GETH ) GENENTECH INC.
20.4%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 1379
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RESULT 1381
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RESULT 1382
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Best Local Similarity
RESULT 1385
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 Query Match
Best Local Similarity
RESULT 1376
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Query

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05-JUN-2003.
(GETH ) GENENTECH INC.
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                                          03-APR-2003
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RESULT. 1
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(GETH ) GENENTECH INC.
ry Match 20.4%; Score 94; DB 6; Length 178;
r Toral Similarity 43.9%; Pred. No. 0.0035;
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       Score 94; DB 6; Length 178; Pred. No. 0.0035;
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ID ABR79867 standard; protein; 178 AA.
DE Human secreted polypeptide PRO6241, SEQ ID NO:542.
PN US2003040059-A1.
PD 27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABMITI29 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003040078-A1.
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003064445-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABR97072 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
                                                                                                                                                                                                                                                                                                                           ABO50743 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271.
US2003049779-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABO21113 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271.
US2003032132-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABO18161 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003044918-A1.
                                                                                                                                       Score 94; DB 6;
Pred. No. 0.0035;
                                                                                                                                                                                                                                                                                                                                                                                                            20.4%; Score 94; DB 6;
43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
                                            Human PRO polypeptide #271.
US2003049766-A1.
                                                                                                                                                                                     ABO51963 standard; protein; 178 AA.
Human PRO polypeptide #271.
US2003049767-A1.
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(GETH ) GENENTECH INC.
20.4%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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Query Match
Best Local Similarity
RESULT 1347
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Best Local Similarity
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RESULT 1354
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RESULT 1348
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RESULT

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Length 178;
                                                                      Length 178;
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Pred. No. 0.0035;
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003104545-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABM20116 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003104554-A1.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003064449-A1.
                                                                                                                     ABM24386 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003064441-A1.
                                                                                                                                                                                                                                          ABM14867 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068696-A1.
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Human secreted polypeptide PR06241, SEQ ID NO:542
US2003068712-A1.
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ABMO6937 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003068730-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABM09377 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003073174-A1.
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003104541-A1.
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Human secreted/transmembrane protein (PRO) #271.
US2003068775-A1.
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GENENTECH INC.

'h 20.4%; Score 94; DB 6;

c'milarity 43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
                                                      (GETH ) GENENTECH INC.
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RESULT 1357
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RESULT 1362
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Best Local Similarity
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Length 178;

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Query Match

RESULT 1330

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Score 94; DB 6; Length 178; Pred. No. 0.0035;
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003104540-Al.
05-UJN-2003.
                                                                                     ABMO7547 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068702-A1.
10-APK-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                     ABMO4138 standard, protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068734-A1.
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Human secreted/transmembrane protein (PRO) #271.
US2003049750-A1.
13-MAR-2003.
(GETH ) GENENTECH INC.
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US200304942-A1.
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Human secreted/transmembrane protein (PRO) #271
US2003068729-A1.
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                                                                                                                                                                                                                                                                                                                                                              RESULT 1340
ID ABO37282 standard; protein; 178 AA.
DE Human secreted/transmembrane protein (PRO) #271
PN US20020068719-A1.
03-APR-2003.
(GETH) GENENTECH INC.
20.4%; Score 94; DB 6;
st Local Similarity 43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No.
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MB053452 standard; protein; 178 AA.
Human PRO polypeptide #271.
US2003068738-A1.
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13-MAR-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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RESULT 1342
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RESULT 1343
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Best Local Similarity
RESULT 1345
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RESULT 1339
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(GETH) GENENTECH INC.
ery Match 20.4%; Score 94; DB 6; Length 178;
ery Match 43.9%; Pred. No. 0.0035;
                                                                                                                                                                                                 20-MAR-2003.
(GETH) GENENTECH INC.
ery Match 20.4%; Score 94; DB 6; Length 178;
ery Match 43.9%; Pred. No. 0.0035;
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03-6FTH ) GENENTECH INC.
(GETH ) GENENTECH INC.
ery Match
20.4%; Score 94; DB 6; Length 178;
ery Match
20.4%; Pred. No. 0.0035;
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(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
ery Match
(CT ) Score 94; DB 6; Length 178;
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Pred. No. 0.0035;
                                                                                         Length 178;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABM13952 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003064458-A1.
                                                                                                                                                                                                                                                                                              ABR92740 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542
US2003064446-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                           Human secreted polypeptide PR06241, SEQ ID NO:542. US2003049744-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABM70121 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542
US2003049783-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABR89910 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542
US2003073171-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABMZ6826 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542
US2003032121-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABO30520 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271.
US2003064464-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABO28690 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003064460-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 94; DB 6;
Pred. No. 0.0035;
                                                                                           Score 94; DB 6;
Pred. No. 0.0035;
                                                                                                                                        ABO23198 standard; protein; 178 AA.
Human PRO polypeptide #271.
US2003054461-A1.
RESULT 1328

ID AB022893 standard; protein; 178 AA.
Human RO polypeptide #271.
PN US2003027265-A1.
PD 06-FEB-2003.
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03-ARR-2003.
(GETH ) GENENTECH INC.
20.4%;
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(GETH ) GENENTECH INC.
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Best Local Similarity
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RESULT 1331
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Best Local Similarity
RESULT 1333
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Best Local Similarity
SSULT 1334
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Best Local Similarity
RESULT 1329
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Length 178;

Length 178;

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DB 6; 0.0035;

Query Match

RESULT

RESULT 1336

Length 178;

Page 72

Query Match

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Length 178;
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                   Length 178;
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                                                                                                                                                                                             ABM23776 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003069736-Al.
                                                                                                                                                                                                                                                                                                                                                   ABM29571 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003104557-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADAB1813 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271.
US2003092121-A1.
                                                                    ABO29910 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003068700-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABO16840 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003027276-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AB038502 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003068767-A1.
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(GETH ) GENENTECH INC.
rry Match 20.4%; Score 94; DB 6;
rry Match 43.9%; Pred. No. 0.0035;
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(GETH) GENENTECH INC.
20.4%; Score 94; DB 6;
Best Local Similarity 43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
                     Score 94; DB 6;
Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No.
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US2003073182-A1.
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10-APR-2003.
(GETH ) GENENTECH INC.
20.4%; St
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20.4%; S
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15-MAY-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
                   Query Match
Best Local Similarity
RESULT 1319
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Best Local Similarity
RESULT 1327
                                                                                                                                                                                          RESULT 1320
ID ABM23776 standard;
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RESULT 1321
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Best Local Similarity
RESULT 1326
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     17-APR-2003.
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(GETH ) GEN
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(GETH ) GENENTECH INC.
ery Match 20.4%; Score 94; DB 6; Length 178;
ery Match 43.9%; Pred. No. 0.0035;
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RESULT 1309
ID ABM34267 standard; protein; 178 AA.
DE Human secreted polypeptide PR06241, SEQ ID NO:542.
PN US2003096359-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABR96767 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003054460-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABRS9927 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003049763-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABM00783 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003073172-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABM00478 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003073172-A1.
                                                                                                                                                                        Human secreted polypeptide PRO6241, SEQ ID NO:542 US2003100061-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABR85945 standard, protein, 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542.
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Human secreted/transmembrane protein (PRO) #271.
US2003054477-A1.
                                                                                                                                                                                                                                                                                               ABO20503 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003032125-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                       Human secreted/transmembrane protein (PRO) #271 US2003054454-A1.
                                                                                                       20.4%; Score 94; DB 6; 43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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                                                                                                                                                                                                                                                                                                                                                                                                                      ABO21418 standard; protein; 178 AA
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29-MAY-2003.
(GETH ) GENENTECH INC.
20.4%; Sr
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20-MAR-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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Best Local Similarity
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RESULT 1315
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                                                                    22-MAY-2003.
(GETH ) GENENTECH
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13-MAR-2003

Query Match

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13-FEB-2003.

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17-APR-200

RESULT 1290

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Score 94; DB 6; Length 178; Pred. No. 0.0035;
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               Length 178;
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             Query Match
Best Local Similarity '43.9%; Pred. No. 0.0035;
RESULT 1300
ID ABO29300 standard; protein; 178 AA.
DE Human secreted/transmembrane protein (PRO) #271.
PN US2003068693-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 43.9%; Pred. No. 0.0035;
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RESULT 1305
ID ABM28656 standard; protein; 178 AA.
DE Ahman secreted polypeptide PR06241, SEQ ID NO:542.
PN US2003082715-A1.
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Human secreted polypeptide PRO6241; SEQ ID NO:542.
US2003068737-A1.
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US2003104547-A1.
                                                                                                                                                                         Best Local Similarity 43.9%; Pred. No. 0.0035; ESSUIT 1308 standard; protein; 178 AA.

DE Human secreted polypeptide PRO6241, SEQ ID NO:542.

PN US2003068735-A1.
                                                                                                                                                                                                                                                                                                                                                                      ABM23471 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068753-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABM22251 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068742-A1.
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Human secreted/transmembrane protein (PRO) #271
US2003068756-A1.
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(GETH) GENENTECH INC.

ry Match 20.4%; Score 94; DB 6;

ry Match 43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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(GETH ) GENENTECH INC.
(SETH ) Score 94;
iry Match 20.4%; Score 94;
iry Match 43.9%; Pred. No.
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43.9%; P
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L0-APR-2003.
(GETH ) GENENTECH INC.
20.4%;
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RESULT 1307
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                              Best Local Similarity
RESULT 1302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
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Best Local Similarity
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RESULT 1303
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                                                                                    L'Ark-2005.
(GETH ) GENENTECH INC.
ry Match
20.4%; Score 94; DB 6; Length 178;
- 1-0-1 Similarity 43.9%; Pred. No. 0.0035;
                                                                                                                                                                                                                                           20.4%; Score 94; DB 6; Length 178; 43.9%; Pred. No. 0.0035;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 178;
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003064456-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human secreted polypeptide PR06241, SEQ ID NO:542.
US2003064448-A1.
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US2003049758-Al.
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Human secreted polypeptide PR06241, SEQ ID NO:542.
US2003049772-A1.
                   ABM33047 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003073185-A1.
                                                                                                                                                                       ABM22861 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US20330837373-A1.
08-MAY-2003.
                                                                                                                                                                                                                                                                                                   ABM75072 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003096353-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABRSG462 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003054458-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABM02613 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003059886-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                  ADA80086 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003073173-A1.
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(GETH ) GENENTECH INC.
(SETH ) GENENTECH INC.
20.4%; Score 94; DB 6;
ery Match 20.0035;
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43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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13-MAR-2003.
(GFTH ) GENENTECH INC.
20.4%;
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03-APR-2003.
(GETH ) GENENTECH INC.
20.4%;
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(GETH ) GENENTECH INC.
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Best Local Similarity
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Best Local Similarity
RESULT 1291
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Best Local Similarity
RESULT 1295
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RESULT 1296
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Best Local Similarity
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RESULT 1298
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Best Local Similarity
RESULT 1292
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RESULT 1294
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Best Local Similarity
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Query Match

RESULT 1297

Query Match

Query

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13-MAR-2003.
(GETH) GENENTECH INC.
ery Match 20.4%; Score 94; DB 6; Length 178;
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20.4%; Score 94; DB 6; Length 178; 43.9%; Pred. No. 0.0035;
                                   Human secreted polypeptide PR06241, SEQ ID NO:542.
                                                                                                                                                                        ABM01393 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003049770-A1.
                                                                                                                                                                                                                                                                                          Human secreted polypeptide PR06241, SEQ ID NO:542.
                                                                                                                                                                                                                                                                                                                                                                                                                     ABM13647 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003064457-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABM21031 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068711-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABM10292 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003067478-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human secreted/transmembrane protein (PRO) #271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABO42162 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003049745-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABC42772 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003049751-A1.
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(GETH ) GENENTECH INC.
20.4%; Score 94; DB 6;
ry Match 20.4%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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13-MAR-2003.
(GETH ) GENENTECH INC.
20.4%; S'
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(GETH ) GENENTECH INC.
20.4%; S.
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20.4%; S
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(GETH ) GENENTECH INC.

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(GETH ) GENENTECH INC.
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RESULT 1285
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Best Local Similarity
RESULT 1287
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RESULT 1283
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RESULT 1289
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           Best Local Similarity
RESULT 1281
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Best Local Similarity
RESULT 1282
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Best Local Similarity
RESULT 1284
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 Query Match
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                                                               Length 178;
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068751-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABR97682 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003059885-A1.
                                                                                                                                                                                                                                        ABM35589 standard, protein, 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003073179-A1.
                                                                                                                                                                                                                                                                                                                                                                      ABM33352 standard, protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003087374-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003054480-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABOS0438 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003049777-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABU59412 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003040055-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO04484 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003036164-A1.
                                                                                                         ABO40942 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003068684-A1.
                                                                                                                                                                                                                                                                                                                        20.4%; Score 94; DB 6; 43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
                                                               Score 94; DB 6;
Pred. No. 0.0035;
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No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred.
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Human PRO polypeptide #271.
US2003049773-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                       20.4%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
                                               (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                        Local Similarity
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Best Local Similarity
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RESULT 1279
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Best Local Similarity
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RESULT 1272
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Best Local Similarity
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ESULT 1278
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Query

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(GETH ) GENENTECH INC.
ery Match 20.4%; Score 94; DB 6; Length 178;
ery Match 43.9%; Pred. No. 0.0035;
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                                                                                                                      Score 94; DB 6; Length 178; Pred. No. 0.0035;
                                                                                                                                                                                                                     10-APR-2003.
(GETH ) GENENTECH INC.
ery Match 20.4%; Score 94; DB 6; Length 178;
ery Match 43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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PA (GETH) GENENTECH INC.
20.4%; Score 94; DB 6; Len
Best Local Similarity 43.9%; Pred. No. 0.0035;
RESULT 1257
ID ABM10597 standard; protein; 178 AA.
DE Human secreted polypeptide PR06241, SEQ ID NO:542.
PN US2003069407-A1.
                                 ABM09072 standard; protein; 178 AA.

Human secreted polypeptide PR06241, SEQ ID NO:542.
US2003068772-A1.
10-APR-2003.
(GETH) GENENTECH INC.
20.4%; Score 94; DB 6; Len
EL Local Similarity 43.9%; Pred. No. 0.0035;
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                                                                                                                                                                                                                                                                                                                                                                                                                                            ABO39722 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003068776-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABO23891 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003032134-A1.
13-FEB-2003.
                                                                                                                                                                                         Human secreted/transmembrane protein (PRO) #271
US2003068714-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 05-JUN-2005.
(GETH ) GENENTECH INC.
ry Match 20.4%; Score 94; DB 6;
r...1 cimilarity 43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
     43.9%; Pred. No. 0.0035;
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Human PRO polypeptide #271.
US2003049768-A1.
                                                                                                                                                                           ABO36672 standard; protein; 178 AA.
                                                                                                                                                                                                                                                                                                               protein; 178 AA.
                                                                                                                                                                                                                                                                                                                                               US2003000.
10-APR-2003.
(GETH ) GENENTECH INC.
20.4%;
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13-MAR-2003.
(GETH ) GENENTECH INC.
20.4%;
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US2003068758-A1.
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(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
RESULT 1258
Best Local Similarity RESULT 1253
                                                                                                                       Query Match
Best Local Similarity
RESULT 1254
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Best Local Similarity
RESULT 1255
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Best Local Similarity
RESULT 1256
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RESULT 1260
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RESULT 1262
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Best Local Similarity
RESULT 1261
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                                                                                                                                                                                                                                                                                                             ABO35757 standard;
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Length 178;
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Pred. No. 0.0035;
                                                                                   Length 178;
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068709-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABMIS477 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068692-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABM04443 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068716-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABM22556 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068740-A1.
ABR97377 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003054481-A1.
                                                                                                                                                                                                                                                                         ABM11207 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003049782-A1.
                                                                                                                                                                                                                                                                                                                                                                                                              ABM28351 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003054476-A1.
                                                                                                                    ADMS/165 Standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
19200304978-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AB033350 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271.
US2003068733-A1.
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(GETH ) GENENTECH INC.
20.4%; Score 94; DB 6;
217 Match 20.4%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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                                                                                   20.4%; Score 94; DB 6; 43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No.
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20-MAR-2003.
(GETH ) GENENTECH INC.
Watch 20.4%; SC
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10-APR-2003.
(GETH ) GENENTECH INC.
- Match 'larity 43.9%;
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13-MAR-2003.
(GETH ) GENENTECH INC.
Match 'Twity 43.9%;
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13-MAR-2003.
(GETH ) GENENTECH INC.
Match ''.vity 43.9%;
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10-ARR-2003.
(GTH) GENENTECH INC.
20.4%;
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Query Match 20.4%;
Best Local Similarity 43.9%;
                                                 20-MAR-2003.
(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 1267
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RESULT 1269
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RESULT 1264
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RESULT 1265
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Best Local Similarity
RESULT 1266
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                                                                                                                   RESULT 1263
ID ABR87165 standard;
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                                                                                      Query Match
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Length 178;
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Pred. No. 0.0035;
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              Length 178;
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068727-A1.
                                                              ABR76077 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542.
US2003044929-A1.
06-MAR-2003.
                                                                                                                                                                                  ABR71453 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003059880-A1.
                                                                                                                                                                                                                                                                                                         Above Standard; protein; 178 AA. Human secreted polypeptide PRO6241, SEQ ID NO:542.033005465-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABR93655 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003054478-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABR88080 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068718-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           JT 1250
ABO30215 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003064461-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABO28080 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003064454-A1.
                                                                                                                                                                                                                              27-MAR-2003.
(GETH ) GENENTECH INC.
(ery Match 20.4%; Score 94; DB 6;
ery Match 6:milarity 43.9%; Pred. No. 0.0035;
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(GETH ) GENENTECH INC.
20.4%; Score 94; DB 6;
iry Match 20.4%; Pred. No. 0.0035;
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03-APR-2003.

(GETH ) GENENTECH INC.

ery Match

20.4%; Score 94; DB 6;

ery Match

20.4%; Pred. No. 0.0035;
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(GETH ) GENENTECH INC.
ery Match 20.4%; Score 94; DB 6;
ery Match 6; 10.0035;
              Score 94; DB 6;
Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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1 (GETH ) GENENTECH INC.
Query Match 20.4%; Score 94;
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US2003068724-A1.
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03-APR-2003.
(GETH ) GENENTECH INC.
20.4%;
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PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 43.9%;
              20.4%;
                                                                                                                                  20.4%;
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              Query Match
Best Local Similarity
RESULT 1244
                                                                                                                                  Query Match
Best Local Similarity
RESULT 1245
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06-MAR-2003.
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Length 178;

Length 178;

Length 178;

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Ouery Match

Query Match

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Score 94; DB 6; Length 178; Pred. No. 0.0035;
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003073175-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABM07242 standard; protein; 178 AA.

ABM07242 standard; protein; 178 AA.

Human secreted polypeptide PR06241, SEQ ID NO:542.
US2008699-A1.

10-APR-2003.

(GETH ) GENENTECH INC.

Sty Match

Sty Match
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068707-A1.
                                                                                                                                              ABM16214 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003364463-A1.
03-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABMZ9266 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003068721-A1.
                                                                                                                                                                                                                                                                                                           Best Local Similarity 43.9%; Pred. No. 0.0035; RESULT 1226
ID ABO27775 standard; protein; 178 AA.
BE Human secreted/transmembrane protein (PRO) #271.PN US2003064451-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABO41552 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003068695-A1.
) 17-APR-2003.

1 (GETH ) GENENTECH INC.

20.4%; Score 94; DB 6;

Query Match

20.4%; Score 94; DB 6;

Query Match

20.4%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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(GETH ) GENENTECH INC.
20.4%; Score 94; DB 6;
rry Match:
rry Match: 20.4%; Pred. No. 0.0035;
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(GETH ) GENENTECH INC.
20.4%; Score 94; DB 6;
rr Match 20.4%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Human PRO polypeptide #271.
US2003068703-A1.
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Human PRO polypeptide #271.
10-APR-2003.
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10-APR-2003.
(GETH ) GENENTECH INC.
20.4%; Sc
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-2003.
) GENENTECH INC.
20.4%; Sr
43.9%; F
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10-APR-2003.
(GETH ) GENENTECH INC.
20 4%;
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(GETH) GENENTECH INC.
(GETH) GENENTECH 20.4%;
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17-APR-2003.
(GETH ) GENENTECH INC.
Match 20.4%;
                                                                                 Best Local Similarity RESULT 1225
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RESULT 1232
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Best Local Similarity
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RESULT 1230
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(GETH) GENENTECH INC.
ery Match 20.4%; Score 94; DB 6; Length 178;
ery Match 43.9%; Pred. No. 0.0035;
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(GETH ) GENENTECH INC.
ery Match 20.4%; Score 94; DB 6; Length 178;
ery Match 43.9%; Pred. No. 0.0035;
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(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
20.4%; Score 94; DB 6; Length 178;
ery Match 20.4%; Pred. No. 0.0035;
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1. Score 94; DB 6; Length 178;

1. And Similarity 43.9%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003064447-A1.
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Human secreted polypeptide PR06241, SEQ ID NO:542.
US2003073184-A1.
             Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003064440-A1.
                                                                                                                                                                             ABM06327 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542.
US2003068704-A1.
                                                                                                                                                                                                                                                                                                                                                                                               ABM03833 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542.
US203068722-A1.
10-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABM35284 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003073183-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABM26521 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542
US2003104549-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABR91045 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542
US2003064462-A1.
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Human secreted/transmembrane protein (PRO) #271.
US2003065159-A1.
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US200104949-A1.
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Pred. No. 0.0035;
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Pred. No. 0.0035;
                                                                                               20.4%; Score 94; DB 6; 43.9%; Pred. No. 0.0035;
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05-UN-2003.
(GETH ) GENENTECH INC.
20.4%;
20.4%;
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03-ARR-2003.
(GETH ) GENENTECH INC.
20.4%;
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Best Local Similarity
RESULT 1223
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Best Local Similarity
RESULT 1219
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RESULT 1222
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                                                                                                                     Best Local Similarity RESULT 1216
                                                                     03-APR-2003.
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Ouery Match

Query Match

Query Match

Length 178;

us-10-063-557-50.rag.spdi

Query Match

Query Match

RESULT 1199

Query Match

RESULT 1200

Query Match

RESULT

Match

Query

Query Match

Query Match

Ouery Match

20.4%; Score 94; DB 6; Length 178; 43.9%; Pred. No. 0.0035; Score 94; DB 6; Length 178; Pred. No. 0.0035; Score 94; DB 6; Length 178; Pred. No. 0.0035; Query Match 20.4%; Score 94; DB 6; Len Best Local Similarity 43.9%; Pred. No. 0.0035; RESULT 1210
ID ABR95485 standard; protein; 178 AA.
DE Human secreted polypeptide PRO6241, SEQ ID NO:542.PN US2003040071-A1. Human secreted polypeptide PR06241, SEQ ID NO:542. ABMI1434 standard; protein; 178 AA. Human secreted polypeptide PRO6241, SEQ ID NO:542. US2003054459-A1. ABRS5180 standard; protein; 178 AA. Human secreted polypeptide PRO6241, SEQ ID NO:542. US2003044930-A1. ABR97987 standard; protein; 178 AA. Human secreted polypeptide PRO6241, SEQ ID NO:542. ABR87775 standard; protein; 178 AA. Human secreted polypeptide PRO6241, SEQ ID NO:542 US2003068705-A1. ABM77816 standard; protein; 178 AA. Human secreted polypeptide PRO6241, SEQ ID NO:542. US2003054473-A1. Human secreted/transmembrane protein (PRO) #271. US2003036131-A1. ABO21723 standard; protein; 178 AA. Human secreted/transmembrane protein (PRO) #271 US2003054471-A1. DB 6; 0.0035; GETH ) GENENTECH INC.

(GETH ) GENENTECH INC.

ery Match

c.milarity 43.9%; Pred. No. 0.0035; 03-APR-Zuus. (GETH ) GENENTECH INC. 20.4%; Score 94; DB 6; 27 Match 20.4%; Pred. No. 0.0035; DB 6; 0.0035; Score 94; DB 6; Pred. No. 0.0035; Score 94; DB 6; Pred. No. 0.0035; Score 94; Pred. No. Score 94; Pred. No. ABM28046 standard; protein; 178 AA US200303... 20-MAR-2003. (GETH ) GENENTECH INC. Watch 20.4%; SC S2003ucc. 10.ABR-2003. (GETH ) GENENTECH INC. 20.4%; 20.4%; 20.4%; 20.4%; 20.4%; (GETH ) GENENTECH INC. GENENTECH INC Query Match
Best Local Similarity
RESULT 1209
ID ABR95180 standard; p
DE Human secreted polyp
PN US2003044330-A1.
PD 06-MAR-2003. Best Local Similarity RESULT 1213 Best Local Similarity RESULT 1211 Best Local Similarity RESULT 1212 Query Match Best Local Similarity RESULT 1215 Query Match Best Local Similarity RESULT 1206 Best Local Similarity RESULT 1208 Best Local Similarity RESULT 1207 US2003064452-A1. 27-FEB-2003. 20-MAR-2003 Match Query Match Query Match Query Match Best Loca RESULT 1214 Query ζ. Score 94; DB 6; Length 178; Pred. No. 0.0035; Length 178; Length 178; Length 178; Length 178; Length 178; Score 94; DB 6; Length 178; Pred. No. 0.0035; Length 178; Length 178; ABM77511 standard; protein; 178 AA. Human secreted polypeptide PRO6241, SEQ ID NO:542. US2003054479-A1. ABMO8157 standard; protein; 178 AA. Human secreted polypeptide PRO6241, SEQ ID NO:542. US2003068752-A1. ABM24996 standard; protein; 178 AA. Human secreted polypeptide PRO6241, SEQ ID NO:542. US2003104539-A1. ABO28995 standard; protein; 178 AA. Human secreted/transmembrane protein (PRO) #271. US2003068685-A1. ADA78294 standard; protein; 178 AA. Human secreted/transmembrane protein (PRO) #271. US2003073180-A1. ABO31740 standard; protein; 178 AA. Human secreted/transmembrane protein (PRO) #271 US2003068725-A1. ABO40637 standard; protein; 178 AA. Human secreted/transmembrane protein (PRO) #271 US2003068682-A1. 20.4%; Score 94; DB 6; 43.9%; Pred. No. 0.0035; Score 94; DB 6; Pred. No. 0.0035; 20.4%; Score 94; DB 6; 43.9%; Pred. No. 0.0035; Score 94; DB 6; Pred. No. 0.0035; Human PRO polypeptide #271.

10-200 Human PRO polypeptide #271. 10-2003068755-A1. 20.4%; 20.4%; 20.4%; 20.4%; PD 10-APR-2003.

PA (GETH ) GENENTECH INC.

QUETY MATCh 20.4%;

Best Local Similarity 43.9%;

RESULT 1197 20.4%; 20.48; 43.98; 10-APR-2003. (GETH ) GENENTECH INC. (GETH ) GENENTECH INC. 17-APR-2003. (GETH ) GENENTECH INC. (GETH ) GENENTECH INC. (GETH ) GENENTECH INC. 10-APR-2003. (GETH ) GENENTECH INC. (GETH ) GENENTECH INC. (GETH ) GENENTECH INC Best Local Similarity RESULT 1203 Best_Local_Similarity RESULT 1204 Best Local Similarity Best Local Similarity RESULT 1198 Best Local Similarity Local Similarity Best Local Similarity Best Local Similarity 10-APR-2003 10-APR-2003 10-APR-2003

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ABO05194 standard, protein, 178 AA.
Novel human secreted and transmembrane protein PRO6241.
US2003008352-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABR81392 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542.
US2003049743-A1.
13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABM01088 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003049769-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABR88690 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003068743-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABR95790 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003054455-A1.
           ABR70843 standard; protein; 178 AA.

Human secreted polypeptide PR06241, SEQ ID NO:542.
US2003040076-A1.
US2003-FEB-2003.
(GETH) GENEWTECH INC.
20.4%; Score 94; DB 6; Lenst Local Similarity 43.9%; Pred. No. 0.0035;
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003049741-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human secreted polypeptide PR06241, SEQ ID NO:542 US2003036135-A1.
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(GETH ) GENENTECH INC.
20.4%; Score 94; DB 6;
21. Store 34; DB 6; 21. No. 0.0035;
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13-MAR-2003.
(GETH ) GENENTECH INC.
20.4%;
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09-ZhA-2003.
(GETH ) GENENTECH INC.
20.4%;
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Best Local Similarity
RESULT 1193
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RESULT 1195
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Best Local Similarity
RESULT 1189
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RESULT 1192
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RESULT 1191
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Best Local Similarity
RESULT 1190
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RESULT 1187
ID ABR70843
                                                                                                Query Match
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
   Score 94; DB 6; Length 178;
Pred. No. 0.0035;
                                                                                                               Score 94; DB 6; Length 178;
Pred. No. 0.0035;
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Novel human secreted and transmembrane protein PRO6241
US2003032140-A1.
                                                                                                                                                                                                                                                               Human secreted polypeptide PR06241, SEQ ID NO:542. US2003032122-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 43.9%; Pred. No. 0.0035; RESULT 1182
ID ABO10127 standard; protein; 178 AA.
DE Human secreted/transmembrane protein (PRO) #271.
PN US2003017543-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human secreted/transmembrane protein (PRO) #271.
US2003036152-A1.
20-FEB-2003.
                                                                                                                                                              ABU84838 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003032116-A1.
13-FBB-2003.
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Human secreted/transmembrane protein #271.
US2002127584-A1.
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                                                                                                                                                                                                                                                                                                                                                                               Human PRO protein; 178 AA. US2003036139-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human PRO polypeptide #271.
                                                ABU91624 standard; protein; 178 AA.
Human PRO polypeptide #271.
US2003032128-A1.
13-FEB-2003.
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(GETH ) GENENTECH INC.
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Best Local Similarity
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Best Local Similarity
Query Match
Best Local Similarity
RESULT 1177
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Best Local Similarity
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Best Local Similarity
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ABO09212 standard;
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Query Match

Query Match

RESULT

Length 178;

Score 94; DB 6; Pred. No. 0.0035;

Length 178;

Score 94; DB 6; Pred. No. 0.0035;

Length 178;

DB 6; 0.0035;

Score 94; Pred. No.

Length 178;

Score 94; DB 6; Pred. No. 0.0035;

Query Match

Query Match

Query Match

Length 178;

DB 6; 0.0035;

Score 94; Pred. No.

Length 178;

DB 6; 0.0035;

Score 94; Pred. No.

Length 178;

Query Match

Length 178;

Score 94; DB 6; Pred. No. 0.0035;

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20.4%;
                                                                                                                                             Best Local Similarity 43.9%;
RESULT 1168
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RESULT 1176
ID ABU87756 standard; pr
DE Human PRO polypeptide
PN US2003022293-Al.
PD 30-JAN-2003.
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RESULT 1172
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RESULT 1175
                                                     Best Local Similarity RESULT 1167
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   US2003036165-A1.
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                                                                                                                                  06-FEB-2003
                                             Query Match
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ABR66712 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003027281-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 1164
ID ABR70538 standard; protein; 178 AA.
DE Human secreted polypeptide PR06241, SEQ ID NO:542.
PN US2003032139-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABR66102 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542.
                                                                                                                    ABR91130 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542
US2003040058-A1.
27-FEB-2003.
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Human secreted/transmembrane protein (PRO) #271
US2003032129-A1.
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0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
                                                                         94; DB 6;
No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No.
                                                                         Score
Pred.
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ID ABU94557 standard; protein; 178 AA.

DE Human PRO polypeptide #271.

PN US2003017540-A1.
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ID ABU79439 standard; protein; 178 AA.
DE Human PRO polypeptide #271.
PN US2003032106-A1.
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Human PRO polypeptide #271.
US2003032103-A1.
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Human PRO polypeptide #271.
US2003032107-A1.
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Human PRO polypeptide #271.
US2003022301-A1.
                                                                         20.4%;
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                                            06-FEB-2003.
(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 1162
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Best Local Similarity
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Best Local Similarity
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Best Local Similarity
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Best Local Si
RESULT 1157
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RESULT 1161
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20-FEB-2003.
(GETH ) GENENTECH INC.
ery Match 20.4%; Score 94; DB 6; Length 178;
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Novel human secreted and transmembrane protein PRO6241.
US200304154-A1.
20-FBB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABU90407 standard; protein; 178 AA.
Novel human secreted and transmembrane protein PRO6241.
US200304153-A1.
20-FBB-2003.
                                                                                              ABR64819 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003027262-A1.
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
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US2003044931-A1.
06-MAR-2003.
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Human secreted/transmembrane protein (PRO) #271.
US2003036150-A1.
20-FBB-2003.
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Human secreted/transmembrane protein (PRO) #271
US2003036142-A1.
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Human PRO polypeptide #271.
US20030222293 A1.
30-JAN-2003.
                                                                                                                                                                                                                                 ABU79744 standard; protein; 178 AA.
Human PRO polypeptide #271.
US2003032110-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABU96094 standard; protein; 178 AA.
Human PRO polypeptide #271.
US2003036145-A1.
20-FEB-2003.
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Query Match

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Length 178;
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RESULT 1152
ID ABU66172 standard; protein; 178 AA.
DE Novel human secreted and transmembrane protein PRO6241.
PN US2003036157-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             nouszuuw standard; protein; 178 AA.
Novel human secreted and transmembrane protein PRO6241.
US2003303104-A1.
                                             ABU86153 standard; protein; 178 AA.
Novel human secreted and transmembrane protein PRO6241
US203022300-A1.
30-JAN-2003.
                                                                                                                                                   ABU82440 standard; protein; 178 AA.
Novel human secreted and transmembrane protein PRO6241
US2003036136-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 43.9%; Pred. No. 0.0035; RESULT 1153
ID ABR60001 standard; protein; 178 AA.
DE Human secreted polypeptide PRO6241, SEQ ID NO:542.
PN US2003032120-A1.
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US2003032109-A1.
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0.0035;
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Pred. No. 0.0035;
   Score 94; DB 6;
Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No.
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Pred. No.
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Pred. No.
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Pred. No.
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Pred. No.
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US2003040066-A1.
27-FEB-2003.
                                                                                                                                                                                                                                                          ABU87451 standard; protein; 178 AA.
Human PRO polypeptide #271.
US2003036138-A1.
                                                                                                                                                                                                                                                                                                                                                                 ABU83923 standard; protein; 178 AA
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RESULT 1155
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Best Local Similarity
RESULT 1156
Query Match
Best Local Similarity
RESULT 1146
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RESULT 1154
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Best Local Similarity
RESULT 1147
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RESULT 1151
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(GETH ) GENENTECH INC.
ery Match 20.4%; Score 94; DB 6; Length 178;
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                                  Score 94; DB 6; Length 178;
Pred. No. 0.0035;
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Pred. No. 0.0035;
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US200331119-Al.
                                                                                                                                                                      ABU95169 standard; protein; 178 AA.
Novel human secreted and transmembrane protein PRO6241.
US2003032133.A1.
                                                                                                                                                                                                                                                                                 ABU90717 standard; protein; 178 AA.
ABU90717 standard; protein; 178 AA.
Wovel human secreted and transmembrane protein PRO6241
WS200303108-A1.
13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABRE5124 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US200302763-A1.
06-FBB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABR66956 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003027271-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABR99317 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003040068-A1.
                                                                                                                                                                                                                                                                                                                                                                                              ABU84228 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003032111-A1.
13-FBB-2003.
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Human secreted/transmembrane protein (PRO) #271
US2003036125-A1.
                                                                          ABU83313 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003032105-A1.
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Human PRO polypeptide #271.
US2003027280-A1.
06-FEB-2003.
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Best Local Similarity
RESULT 1140
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Best Local Similarity
RESULT 1142
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Best Local Similarity
RESULT 1143
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Best Local Similarity
RESULT 1144
                                             Best Local Similarity RESULT 1136
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Best Local Similarity
RESULT 1137
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Best Local Similarity
RESULT 1138
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Best Local Similarity
RESULT 1139
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      US2003022297-A1.
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Query Match

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US2003032138-A1.
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                                                                 Length 178;
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Novel human secreted and transmembrane protein PRO6241
US2003036117-A1.
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Human secreted polypeptide PR06241, SEQ ID NO:542.
                                                                                                                                                                                                                                                                                                                                        ABR67322 standard, protein, 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542
US2003027266-A1.
ABUGS839 standard; protein; 178 AA.
Human secreted/transmembrane protein, SEQ ID 542.
US2003036156-A1.
                                                                                                                                                                                                                           ABO03874 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003036128-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABO15925 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2001054483-A1.
20-MAR-2003.
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0.0035;
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0.0035;
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0.0035;
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Pred. No. 0.0035;
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                                                                Score 94; DB 6;
Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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ABU56206 standard; protein; 178 AA.
Human secreted/transmembrane protein, PRO6241
US2003022298-A1.
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Pred. No.
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Pred. No.
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Pred. No.
                                                                                                           AB007687 standard; protein; 178 AA.
Human PRO polypeptide #271.
US2003032117-A1.
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Human PRO polypeptide #271.
US2003032102-A1.
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Human PRO polypeptide #271.
US2003032130-A1.
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US2003036143-Al.
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RESULT 1119
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Best Local Similarity
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                                                20-FEB-2003.
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Length 178;
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                              Length 178;
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                                                                         ABR69566 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542.
US20031056132-A1.
20-FBB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                  ABR60306 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003032137-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABR68041 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003027269-A1.
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Human secreted polypeptide PR06241, SEQ ID NO:542.
US20031027274-A1.
06-PEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABR72063 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542.
US2003032135-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABU89233 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
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0.0035;
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0.0035;
                              Score 94; DB 6;
Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No.
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Pred. No.
                                                                                                                                                                                Human PRO polypeptide #271.
US2003008353-Al.
09-JAN-2003.
GG-HH ) GENENTECH INC.
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Human PRO polypeptide #271.
US2003017542-A1.
                            20.4%;
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13-FEB-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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RESULT 1129
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RESULT 1132
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                                        Best Local Similarity RESULT 1126
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RESULT 1131
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Length 178;

Query Match

Query Match

Length 178;

61

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Novel human secreted and transmembrane protein PRO6241. 30-JAV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABO19381 standard; protein; 178 AA.

Novel human secreted and transmembrane protein PRO6241.
US2003036118-A1.
20-FEB-2003.
(GETH ) GENENTECH INC.
20.4%; Score 94; DB 6; Length 1
EL Local Similarity 43.9%; Pred. No. 0.0035;
                          ABU88923 standard; protein; 178 AA.
Novel human secreted and transmembrane protein PRO6241.
US2003036133-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human secreted polypeptide PRO6241, SEQ ID NO:542. US2003036148-Al.
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US:2003044916-A1.
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US2003234-A1.
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                                                                                                                                      ABU83618 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271.
US2003036134-A1.
20-FBE-2003.
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
43.9%; Pred. No. 0.0035;
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Pred. No.
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein; 178 AA
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Best Local Similarity
RESULT 1105
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RESULT 1110
ID ABO19381 standard;
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                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
RESULT 1108
ID ABRS9455 standard;
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ID ABO16230 standard;
                                                                                            Query Match
Best Local Similarity
RESULT 1106
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ID ABO09517 standard;
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Pred. No. 0.0035;
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   Score 94; DB 6; Length 178; Pred. No. 0.0035;
                                                                                                             Length 178;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
                                                                                                                                                                                                                      Length 178;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABO00372 standard; protein; 178 AA.
Novel human secreted and transmembrane protein PRO6241.
US200303101-A1.
13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel human secreted and transmembrane protein PRO6241 US2003022114-AL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDA / Standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542.
200 MAR.
                                               ABR99012 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542
US2003040064-Al.
27-FEB-2003.
                                                                                                                                                                                                                                                                 ABR92435 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542
US20031036460-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                           Human secreted/transmembrane protein (PRO) #271.01520030444925-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human secreted/transmembrane protein (PRO) #271. US2003031214-A1.
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                                                                                                                                                        ABO16535 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003027267-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 94; DB 6;
Pred. No. 0.0035;
                                                                                                             Score 94; DB 6;
Pred. No. 0.0035;
                                                                                                                                                                                                                      Score 94; DB 6;
Pred. No. 0.0035;
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(HUMA-), HUMAN GENOME SCI INC.
20.4%; Score 94;
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ID AD41202 standard; protein; 178 AA DE Human secreted protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20.4%;
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Best Local Similarity
RESULT 1100
 Query Match
Best Local Similarity
RESULT 1095
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 1101
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Best Local Similarity
RESULT 1103
ID ABO02349 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
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ID ABO11704 standard;
                                                                                                             Query Match
Best Local Similarity
RESULT 1096
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Query Match

Query Match

Query Match

Query Match

Length 178;

Length 178;

Length 178;

Length 178;

DB 6; 0.0035;

Length 178;

Length 178;

DB 6; 0.0035;

Length 178;

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Best Local Similarity 43.9%; Pred. No. 0.0035; RESULT 1085
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(GETH ) GENENTECH INC.
                                                                                                                Best Local Similarity RESULT 1086
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Best Local Similarity
RESULT 1092
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RESULT 1094
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Best Local Similarity
RESULT 1089
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RESULT 1090
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RESULT 1091
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABU80704 standard;
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                                     20.4%; Score 94; DB 6; Length 178; 43.9%; Pred. No. 0.0035;
                                                                                                                                               Score 94; DB 6; Length 178; Pred. No. 0.0035;
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Pred. No. 0.0035;
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N US2003036147-A1.

D 20-FEB-2003.
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Novel human secreted and transmembrane protein PRO6241
US2003036144-A1.
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Human secreted polypeptide PR06241, SEQ ID NO:542.
US20030440056-A1.
27-FEB-2003.
                                                                                  ABR65797 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542.
US2003035159-A1.
20-PEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABR68346 standard; protein; 178 AA.
Human secreted polypeptide PR06241, SEQ ID NO:542.
US2003027264-A1.
                                                                                                                                                         Best Local Similarity 43.9%; Pred. No. 0.0035; RESULT 1076
ID ABU9973 standard; protein; 178 AA.

DE Human secreted/transmembrane protein (PRO) #271. PD 27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABU92830 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003036149-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABO08907 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003044923-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABO02959 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003040062-A1.
                                                                                                                                                                                                                                                                                                                                                                              Score 94; DB 6;
Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Human PRO polypeptide #271.
US20032113-A1.
13-FEB-2003.
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Query Match
Best Local Similarity
RESULT 1082
                                                  Best Local Similarity RESULT 1075
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Query Match
Best Local Similarity
RESULT 1080
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Best Local Similarity
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Best Local Similarity
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Best Local Similarity
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      US2003027278-A1.
                     06-FEB-2003.
Query Match
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Length 178;
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Pred. No. 0.0035;
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Novel human secreted and transmembrane protein PRO6241.
US2002027277-A1.
                                                                                                                                                                                                                          nevyyous standard; protein; 178 AA.
Novel human secreted and transmembrane protein PRO6241.
                                                                                                                                                                                                                                                                                                                                                                 Novel human secreted and transmembrane protein PRO6241 US2003017544-Al.
ABR94875 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003044926-A1.
06-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABR99622 standard; protein; 178 AA.
Human secreted polypeptide PRO6241, SEQ ID NO:542.
US2003040063-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABUG7676 standard; protein; 178 AA.
Human secreted/transmembrane protein (PRO) #271
US2003036162-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human secreted/transmembrane protein (PRO) #271 US2003036146-Al.
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0.0035;
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Pred. No. 0.0035;
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(GETH) GENENTECH INC.

20.4%; Score 94; DB 6;

ery Match

20.4%; Pred. No. 0.0035;
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0.0035;
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Pred. No. 0.0035;
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                                                                Score 94; DB 6;
Pred. No. 0.0035;
                                                                                                                                                                                                                                                                                                      Score 94;
Pred. No. 0
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Pred. No. 0
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US2003036141-A1.
20-FEB-2003.
                                                                                                    Human PRO polypeptide #271.
US2003036140-A1.
20-FEB-2003.
iry Match
                                                                                                                                                                                                                                                                                                                                                       protein; 178 AA
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20-FBB-2003.
(GFH ) GENENTECH INC.
20.4%;
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Length 178;

Query Match

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20.4%; Score 94; DB 4; Length 178; 43.9%; Pred. No. 0.0035;
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Novel human secreted and transmembrane protein PRO6241.
US2003032127-A1.
13-FEB-2003.
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Human secreted polypeptide PRO6241, SEQ ID NO:542.
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Human secreted/transmembrane protein (PRO) #271
US2003032112-A1.
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18-0CT-2001.

(HUMA-) HUMAN GENOME SCI INC.

20.4%; SCOTE 94; DB 5;

ery Match

20.4%; Pred. No. 0.0035;
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(HUMA-) HUMAN GENOME SCI INC.
(HUMA-) HUMAN GENOME SCI INC.
20.4%; Score 94; DB 5;
(ery Match 20.4%; Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
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Pred. No. 0.0035;
Best Local Similarity 43.9%; Pred. No. 0.0035; RESULT 1065
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20.4%; Score 94; 43.9%; Pred. No.
                                                                       AAY41674 standard; protein; 178 AA.
Human channel-related molecule HCRM-2.
WO9943807-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAO17172 standard; protein; 178 AA.
Human secreted protein SEQ ID NO: 71.
WO200228877-A1.
                                                                                                                                                                                                                                                                                            AAU29294 standard; protein; 178 AA.
Human PRO polypeptide sequence #271.
WO200168848-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 43.9%; Fred. 18 ESULT 1067
ID AAM38819 standard; protein; 178 AA.
DE Human polypeptide SEQ ID NO 1964.
PN W020013312-A1.
PD 26-UUL-2001.
PA (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human polypeptide SEQ ID NO 2733. W0200190304-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABG64783 standard; protein; 178 AA.
Human albumin fusion protein #1458.
WO200177137-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABUS8670 standard; protein; 178 AA.
Human PRO polypeptide #271.
US2003027272-A1.
                                                                                                                                     WOMPASSEL
02-SEP-1999.
(INCY-) INCYTE PHARM INC.
20.4%;
                                                                                                                                                                                                                                                                                                                                                                MACKULL
20-SEP-2001.
(GETH ) GENENTECH INC.
20.4%;
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(HUMA-) HUMAN GENOME SCI INC.
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RESULT 1072
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 1073
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
RESULT 1074
                                                                                                                                                                                                            Query Match
Best Local Similarity
RESULT 1066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 1068
ID ABB90357 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ٨٠.
                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 4; Length 110;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 99.5; DB 2; Length 72; Pred. No. 0.00022;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 2; Length 178;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 94; DB 8; Length 147;
Pred. No. 0.0027;
                                                                                                                                                                                                                  Length 69;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 115;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20.8%; Score 96; DB 5; Length 63; 32.8%; Pred. No. 0.00051;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 80;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABM85184 standard; protein; 148 AA.
Human diagnostic and therapeutic pprotein SEQ ID NO:5433
WO2004023973-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABMB5185 standard; protein; 147 AA.
Human diagnostic and therapeutic pprotein SEQ ID NO:5434
WO2004023973-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human secreted protein, 72 AA.
HUMBAN secreted protein encoded by 5' EST SEQ ID NO: 135.
WO9906552-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 1060
ID ABG78825 standard; protein; 80 AA.

FRESULT TOROUTH TORON TO TRICK TO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AVE. 2003.
27-FEB-2003.
(INCY-) INCYTE GENOMICS INC.
20.6%; Score 95; DB 6; I
27 Match 31.3%; Pred. No. 0.00092;
                                                                       ADH74323 standard; protein; 69 AA.
Human secreted protein #287.
US2003252548-A1.
UA-DEC-2003.
(HUMA-) HUMAN GENOME SCI INC.
23.0%; Score 106; DB 8;
st Local Similarity 40.0%; Pred. No. 3.1e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 105.5; DB 4 Pred. No. 6.5e-05;
                         40.0%; Pred. No. 3.1e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20.6%; Score 95; DB 8; 36.5%; Pred. No. 0.002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20.4%; Score 94; DB 7; 43.9%; Pred. No. 0.002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABP03457 standard; protein; 63 AA.
Auman ORFX protein sequence SEQ ID NO:6896.
WO200192523-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20.4%; Score 94;
                                                                                                                                                                                                                                                                                 Novel human diagnostic protein; 110 AA. Novel human diagnostic protein #26337. 11-0rm-20.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY13945 standard; protein; 178 AA.
Human transmembrane protein, HP10479.
W09918203-A2.
15-APR-1999.
(SAGA ) SAGAMI CHEM RES CENT.
(PROT-) PROTEGENE INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABR82718 standard; protein; 115 AA.
Human IWU-1 protein.
WO2003064603-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                       22.9%;
33.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                21.6%;
36.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             07-AUG-2003.
(UYRP ) UNIV ROCHESTER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               06-DEC-2001.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     25-MAR-2004.
(INCY-) INCYTE CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (INCY-) INCYTE CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 1061
                   Best Local Similarity RESULT 1056
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 1062
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
RESULT 1064
                                                                                                                                                                                                                        Query Match
Best Local Similarity
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Best Local Similarity
RESULT 1059
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 1058
                                                                                                                                                                                                                                                                                                                                                                                       11-OCT-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11-FEB-1999.
(GEST ) GENSET.
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25-MAR-2004

Query Match

RESULT

Query Match

Query Match

Length 178;

Length 178;

DB 5; 0.0035;

Length 178;

Length 178;

Length 178;

Length 178;

Length 69;

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Ouery Match 23.0%; Score
Best Local Similarity 40.0%; Pred.
RESULT 1053
ID ABG95466 standard; protein; 69 AA.
DE Human novel secreted protein #287.
PN US6420526-B1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HU J.
FLORENCE K A.
OLSEN H S.
FISCHER C L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         HU J.
FLORENCE K A.
OLSEN H S.
FISCHER C L.
EBNER R.
BREWER L A.
                                                                                                                                                                                                                                       RUBEN S M.
ROSEN C A.
SOPPET D R.
CARTER K C.
BEDNARIK D P.
ENDRESS G A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOORE P A.
SHI Y.
LAFLEUR D W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LAFLEUR D W.
LI Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RUBEN S M.
ROSEN C A.
SOPPET D R.
CARTER K C.
BEDNARIK D F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GREENE J M.
FERRIE A M.
DUAN D R.
                                                                                                                                                                                                                                                                                                                                                                                         YOUNG P E.
GREENE J M.
FERRIE A M.
DUAN D R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ENDRESS G A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Match
Local Similarity
1055
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EBNER R.
BREWER L A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOORE P A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  YOUNG P E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (LIYY/) LI Y.
(ZENG/) ZENG Z.
(KYAW/) KYAW H.
                                                                                                                                                                                                                                                                                                                                            YU G.
NI J. ,
FENG P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZENG Z.
KYAW H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FENG P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    YU G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (LAFL/) I
(LIYY/) I
(ZENG/) 2
(KYAW/) F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CART/)
                                                                                                                                                                                                                                                              ROSE/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BEDN/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ENDR/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FENG/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DUAN/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OLSE/
                                                                                                                                                                                                                                                                                                                            ENDR/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query
Best L
RESULT 1
                                                                                                                                                                                                                                                                                                                                                                                                                         AEB14151 standard; protein; 120 AA.
Cancer cell diagnosis method-related human protein - SEQ ID 434
US2005153396-A1.
                               ADT03354 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2004214269-Al.
28-OCT-2004.
(GETH ) GENENTECH INC.
24.4%; Score 112.5; DB 8; Length 120; St Local Similarity 36.0%; Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ouery Match
Best Local Similarity 36.0%; Pred. No. 9.4e-06;
RESULT 1051

ID ABB80585 standard; protein; 95 AA.

DE Human sbg1015258PLM protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24.4%; Score 112.5; DB 9; Length 120; 36.0%; Pred. No. 9.4e-06;
                                                                                                                                                                                                                                          Score 112.5; DB 9; Length 120;
Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                          Length 120,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 95;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAW7-505 standard, protein, 69 AA.
Human secreted protein encoded by gene 154 clone HE6FL83.
WO9839448-A2.
                                                                                                                                                                                                                                                                                                                                   GE-MAY 2005.
(GETH ) GENENTECH INC.
(ETH ) GENENTECH INC.
24.4%; Score 112.5; DB 9;
lery Match
36.0%; Pred. No. 9.4e-06;
   36.0%; Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24.3%; Score 112; DB 5; 35.9%; Pred. No. 8.1e-06;
                                                                                                                                                          AD201405 standard; protein; 120 AA.
Human secreted/transmembrane PRO1056 protein.
US2005074837-A1.
                                                                                                                                                                                                                                                                                        ARA38462 standard; protein; 120 AA.
Human secreted/transmembrane protein, #118.
US2005112725-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AED86349 standard; protein; 120 AA.
Human PRO amino acid seguence, seg id 434.
US2005245730-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21-WAR-2002.
(SMIK ) SMITHKLINE BEECHAM CORP.
(SMIK ) SMITHKLINE BEECHAM PLC.
(GLAX ) GLAXO GROUP LTD.
                                                                                                                                                                                                            PD 07-APR-2005.

PA (GETH ) GENENTECH INC.

Query Match

Best Local Similarity 36.0%;

RESULT 1048
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (HUMA-) HUMAN GENOME SCI INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   03-NOV-2005;
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GERRITSEN M E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GODDARD A. GODOWSKI P J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (TUMA/) TUMAS D.
(WATA/) WATANABE C K.
                                                                                                              Query Match
Best Local Similarity
Best Local Similarity RESULT 1046
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SMITH V.
STEWART T A.
                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 1049
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DESNOYERS L. FILVAROFF E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GURNEY A L. SHERWOOD S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (BERE) BAKER K P. (BERE) BERESINI M. (DEFO/) DEFORGE L. (DESN/) DESNOYERS I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (WOOD/) WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (ZHAN/) ZHANG Z.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local S
                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SMIT/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 1050
                                                                                                                                              RESULT 1047
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT
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AB034660 standard; protein; 69 AA.
Region of human secreted protein encoded by cDNA sequence #287.
US2003049618-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 69;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 7; Length 69;
                                                                                                                                                                   Length 69;
23.0%; Score 106; DB 2; 40.0%; Pred. No. 3.1e-05;
                                                                                                                         PD 16-JUL-2002.

PA (HUMA-) HUMAN GENOME SCI INC.

Query Match 23.0%; Score 106; DB 5;

Best Local Similarity 40.0%; Pred. No. 3.1e-05;

RESULT 1054
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 106; DB 6;
Pred. No. 3.1e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23.0%; Score 106;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AD123321 standard; protein; 69 AA.
Novel human secreted protein seg id 606.
US2003175858-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 23.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
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Length 120;

Length 120;

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(GETH ) GENENTECH INC.
24.4%; Score 112.5; DB 8; Length 120;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 24.4%; Score 112.5; DB 8; Length 120; Best Local Similarity 36.0%; Pred. No. 9.4e-06; RESULT 1041
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 24.4%; Score 112.5; DB 8; Length 120; Best Local Similarity 36.0%; Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 112.5; DB 8; Length 120;
Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 112.5; DB 8; Length 120;
Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADS12370 standard, protein, 120 AA.
Novel human secreted and transmembrane protein PRO1056.
US2004203125-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AULY0418 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056.
US203207354-A1.
                                                                                  ADJ63645 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2004039164-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 112.5; DB 8;
Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 112.5; DB 8;
Pred. No. 9.4e-06;
  Score 112.5; DB 8;
Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 112.5; DB 8;
Pred. No. 9.4e-06;
                                                                                                                                                                                                                        Score 112.5; DB 8;
Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                       D ADJ77540 standard; protein; 120 AA.
DE Human PRO polypeptide #217.
PN US200403835-A1.
PD 26-FEB-2004.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 36.0%; Pred. No.
ID RSULT 1039
DE Human PRO polypeptide #217.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human PRO polypeptide #217.
US2004038335-Al.
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24-APD ACCOUNTY AND THE BOOK 
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ID ADM28384 standard; protein; 120 AA. DE Human PRO polypeptide #217.
PN US2004077064-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADM27798 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2004048333-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADM42522 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2004058424-A1.
                                                                                                                                        US2004001.
26-FEB-2004.
(GETH ) GENENTECH INC.
24.4%; SC
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36.0%;
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Z6-FBEL-2004.
(GETH ) GENENTECH INC.
24.4%;
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36.0%;
     24.4%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 1045
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1044
Query Match
Best Local Similarity
RESULT 1037
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                                                                                                                                                                                                                                               Best Local Similarity RESULT 1038
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Novel human secreted and transmembrane protein PRO1056.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADG09966 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056.
US2004009548-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADII5437 standard; protein; 120 AA. Novel human secreted and transmembrane protein PRO1056. US2003207382-A1.
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ID ADG09314 standard, protein; 120 AA.
DE Novel human secreted and transmembrane protein PRO1056
PN US2004009547-A1.
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Novel human secreted and transmembrane protein PRO1056
US2003207383-A1.
                                                                                                                                                                                                                                                                                                                                    ADGS4759 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2003207367-A1.
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Novel human secreted and transmembrane protein PRO1056
US2003207369-A1.
OS200V-2003.
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Best Local Similarity 36.0%; Pred. No. 9.4e-06;
                         Query Match 24.4%; Score 112.5; DB 8; Best Local Similarity 36.0%; Pred. No. 9.4e-06; RESULT 1028
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(GETH) CENENTECH INC.
rry Match 24.4%; Score 112.5; DB 8;
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Pred. No. 9.4e-06;
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US2003207361-A1.
06-NOV-2003.
                                                                                                               ADH28614 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003022331-A1.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
           (GETH ) GENENTECH INC.
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Best Local Similarity
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RESULT 1029
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Novel human secreted and transmembrane protein PRO1056. US2003207366-A1.
                                                                                                                       ADH12057 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056.
US2003207419-A1.
05.00V2-20031
                                                                                                                                                                                                                                                                                     ADGS2479 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056.
US2003207414-A1.
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Novel human secreted and transmembrane protein PRO1056.
US2003207416-A1.
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Novel human secreted and transmembrane protein PRO1056.
US2003207378-A1.
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Novel human secreted and transmembrane protein PRO1056.
US2003207429-A1.
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Query Match 24.4%; Score 112.5; DB 8;
Best Local Similarity 36.0%; Pred. No. 9.4e-06;
RESULT 1022
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(GETH) GENENTECH INC.
24.4%; SCOIE 112.5; DB 8;
ery Match
--- s'milarity 36.0%; Pred. No. 9.4e-06;
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(GETH) GENENTECH INC.

24.4%; Score 112.5; DB 8;

ery Match

24.4%; Pred. No. 9.4e-06;
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Query Match
24.4%; Score 112.5; DB 9;
BEST Local Similarity 36.0%; Pred. No. 9.4e-06;
RESULT 1020
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                                                             Score 112.5; DB 8;
Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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PA (GETH) GENENTECH INC.

Query Match 24.4%; Score 112.5; DB 8

Best Local Similarity 36.0%; Pred. No. 9.4e-06;

RESULT 1023
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Human secreted/transmembrane protein PRO1056.
04-DEC-2003.
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Human secreted/transmembrane protein PRO1056.
US2003219856-A1.
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16-00m.2003194793-Al.
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) GENENTECH INC.
24.4%; Sr
... 36.0%; F
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36.0%;
                                                       Best Local Similarity 36.0%;
RESULT 1019
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PA (GETH ) GENENTECH INC.

Query March

Best Local Similarity 36.0%;

RESULT 1024
                         24-APR-2003. (GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 1026
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RESULT 1025
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                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
    US2003077723-A1.
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(GETH ) GEN
                                                                                                                                                                                                                                                                                                                                                                                              Match
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Pred. No. 9.4e-06;
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ADG56967 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056.
US2003207364-A1.
                                                                                                                                                                ADG55863 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2003207365-A1.
                                                                                                                                                                                                                                                                                                                              ADG58623 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2003207368-A1.
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Novel human secreted and transmembrane protein PRO1056
US2003207420-A1.
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Novel human secreted and transmembrane protein PRO1056
US2003207363-A1.
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Novel human secreted and transmembrane protein PRO1056 US2003207415-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADG71541 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2003207421-A1.
                                                                                                      Score 112.5; DB 8;
Pred. No. 9.4e-06;
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                                                                                                                                                                                                                                                                    24.4%; Score 112.5; DB 8 36.0%; Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Best Local Similarity 36.0%; Pred. No. 9.4e-06;
RESULT 1014
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Human secreted/transmembrane protein PRO1056.
US2003228656-Al.
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Human PRO polypeptide #217.
US2003207805-A1.
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Human PRO polypeptide #217.
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Query Match 24.4%;
Best Local Similarity 36.0%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
                                                                                   (GETH ) GENENTECH INC
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RESULT 1012
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RESULT 1015
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RESULT 1016
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                                                                                                                           Local Similarity
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Query Match

Query Match

Query Match

Query Match

RESULT 1018

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Best Local Similarity RESULT 1009
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Pred. No. 9.4e-06;
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(GETH) GENENTECH INC.
(ery Match 24.4%; Score 112.5; DB 8; Length 120;
ery Match 36.0%; Pred. No. 9.4e-06;
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                                                                                                                 8; Length 120;
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Novel human secreted and transmembrane protein PRO1056.
US2003207424-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel human secreted and transmembrane protein PRO1056 (US2003207389-A1.
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Pred. No. 9.4e-06;
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      36.0%; Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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US2003207371-A1.
                                                                                                                                                 Human PRO polypeptide #217. US2003207375-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                         ADG13383 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003207357-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADG06193 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003207374-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADG15610 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003219885-A1.
                                 ADG16820 standard; protein; 120 AA Human PRO polypeptide #217.
US2003207359-A1.
06-NOV-2003.
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06-NOV-2003.
(GETH ) GENENTECH INC.
24.4%;
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(GETH ) GENENTECH INC.
1ry Match 24.4%;
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PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 36.0%;
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PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 36.0%;
RESULT 994
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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Best Local Similarity
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Best Local Similarity
RESULT 991
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24.4%; Score 112.5; DB 8; Length 120; 36.0%; Pred. No. 9.4e-06;
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Novel human secreted and transmembrane protein PRO1056
US200194778-A1.
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ID ADG57519 standard; protein; 120 AA.
DB Novel human secreted and transmembrane protein PRO1056
PN US2003207362-A1.
                                                                                                                                                                         Novel human secreted and transmembrane protein PRO1056.
US2003207427-A1.
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Novel human secreted and transmembrane protein PRO1056
US2003207356-A1.
                                                                                                                                                                                                                                                                                                                     ADG07264 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2003207350-A1.
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Novel human secreted and transmembrane protein PRO1056
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Novel human secreted and transmembrane protein PRO1056
US2003207428-A1.
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Best Local Similarity 36.0%; Pred. No. 9.4e-06;
RESULT 1004
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Pred. No. 9.4e-06;
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Best Local Similarity 36.0%; Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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ADG04066 standard; protein; 120 AA. Human PRO POLYPEPtide #217. US2003207423-A1. 06-NOV-2003. GENENTECH INC. 24.4%; Score 11 pert Local Similarity 36.0%; Pred. Not
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Human PRO polypeptide #217.
US2003207358-A1.
                                                                                                                                                            ADG24967 standard; protein; 120 AA
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06-NOV-2003.
(GETH ) GENENTECH INC.
24.4%; SC
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PA (GETH ) GENENTECH INC.

QUETY MATCh

Best Local Similarity 36.0%;

RESULT 1002
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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RESULT 1005
                                                                                                                 Best Local Similarity RESULT 1001
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Best Local Similarity
RESULT 1003
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54

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Score 112.5; DB 8; Length 120;
Pred. No. 9.4e-06;
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                                                                                                                                                                                                                                                                                                         ID ADG22136 standard; protein; 120 AA.

DE NOVEL buman secreted and transmembrane protein PRO1056.

PN US2003207360-A1.

PD 06-NOV-2003.

PA (GETH ) GENENTECH INC.

Query Match

24.4%; Score 112.5; DB 8; Lengt:

Best Local Similarity 36.0%; Pred. No. 9.4e-06;
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Novel human secreted and transmembrane protein PRO1056
US2003207456-A1.
(GENV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 24.4%; Score 112.5; DB 8; Best Local Similarity 36.0%; Pred. No. 9.4e-06; RESULT 988
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                                                                                                                                                                                                                                                                          Score 112.5; DB 8;
Pred. No. 9.4e-06;
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Pred. No..9.4e-06;
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Pred. No. 9.4e-06;
                                                                                                                                       Score 112.5; DB 8
Pred. No. 9.4e-06;
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Best Local Similarity 36.0%; Pred. No. 9.4e-06;
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DE Human PRO polypeptide #217.

PN US2003208055-A1.

PD 06-NOV 2003.

PA (GETH ) GENENTECH INC.

Query Match

Best Local Similarity 36.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADG03514 standard; protein; 120 AA. Human PRO polypeptide #217. US200320731-A1. G6-NOV-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADG20206 standard; protein; 120 AA. Human PRO polypeptide #217. US2003207376-A1. G6-NOV-2003. (GETH ) GENENTECH INC.
                                                   ADG11575 standard; protein; 120 AA. Human PRO1056 polypeptide. US2003228655-A1.
                                                                                                                                                                                         ADG02350 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003207352-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADF98112 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003207422-A1.
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Human PRO polypeptide #217.
US2003207353-A1.
     24.4%;
36.0%;
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PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 36.0%;
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PA (GETH ) GENENTECH INC.

QUETY MATCh

BEST LOCAL SIMILATITY 36.0%;

RESULT 983
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Best Local Similarity 36.0%;
RESULT 990
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     Query Match
Best Local Similarity
RESULT 982
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(GETH ) GEN
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                                 Score 112.5; DB 8; Length 120; Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADE92323 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2003199051-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 112.5; DB 8;
Pred. No. 9.4e-06;
                                                                                                                                                                         Score 112.5; DB 8
Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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US2003199052-A1.
                                                                                                                                                                                                                         ADE91176 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003199061-A1.
                                                                                                                                                                                                                                                                                                                                                            ADP35325 standard; protein; 120 AA.
Human PRO1056 polypeptide.
US2003194760-Al.
                                                                                   ADE94765 standard, protein; 120 AA.
Human PRO polypeptide #217.
US2003199027-A1.
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Human PRO polypeptide #217.
US2003199060-A1.
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Human PRO polypeptide #217.
US2003199029-A1.
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Human PRO polypeptide #217.
US2003199063-A1.
                                   24.4%;
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36.0%;
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     23-OCT-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
                                   Query Match
Best Local Similarity
RESULT 973
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Best Local Similarity
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RESULT 974
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Best Local S
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RESULT 978

RESULT 981

RESULT 977

RESULT 975

Length 120;

Length 120;

Length 120;

Query Match

RESULT 957

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Score 112.5; DB 8; Length 120;
Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
                                                 Score 112.5; DB 8;
Pred. No. 9.4e-06;
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US2003194794-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADE23963 standard; protein; 120 AA. Human PRO polypeptide #217. US2003092110-A1. 15-MAY-2003. (GETH.) GENENTECH INC.
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US2003092111-A1.
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Human PRO polypeptide #217.
28203199962-A1.
23-CCT-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #217.
US2003199054-Al.
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Human PRO polypeptide #217.
US2003203439-A1.
                                                                                                                                                                                                                                              ADE75835 standard; protein; 120 AA. Human PRO polypeptide #217. 125003211571-A1. 13-NOV-2003. (GETH ) GENENTECH INC.
                                                                                                      ADD86387 standard; protein; 120 AA
                                                                                                                                                                                                                                                                                                                                                                                      ADE23411 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003092108-A1.
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RESULT 970
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RESULT 968
                                                   24.4%;
                                                                                                                                             PD 30-OCT-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 36.0%;
RESULT 965
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RESULT 966
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Best Local Similarity 36.0%;
RESULT 969
                                                                                                                       Human PRO polypeptide #217.
US2003203440-Al.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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                15-MAY-2003
(GETH ) GENENTECH INC.
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                                                                Best Local Similarity RESULT 964
 US2003092113-A1
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                                                                   24.4%; Score 112.5; DB 7; Length 120; 36.0%; Pred. No. 9.4e-06;
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Novel human secreted and transmembrane protein PRO1056.
US2003087357-A1.
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Novel human secreted and transmembrane protein PRO1056
US2003092115-A1.
ADH99872 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056.
US2003049682-A1.
                                                                                                                          ADH81445 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056.
US2003207377-A1.
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Novel human secreted and transmembrane protein PRO1056.
US2003087353-A1.
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Novel human secreted and transmembrane protein PRO1056
US2003087355-A1.
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(CETH) GENENTECH INC.

24.4%; Score 112.5; DB 8;

ery Match

-1 c4milarity 36.0%; Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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PA (GETH) GENENTECH INC.
Query Match 24.4%; Score 112.5; DB 7.
Best Local Similarity 36.0%; Pred. No. 9.4e-06;
RESULT 959
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Human PRO polypeptide #217.
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08-MAY-2003.
(GETH ) GENENTECH INC.
Match 24.4%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 962
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Best Local Similarity
RESULT 958
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Best Local Similarity
RESULT 961
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RESULT 956
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Query Match

Length 120;

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Query Match
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                                                                                                                                         Score 112.5; DB 7; Length 120; Pred. No. 9.4e-06;
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(GETH ) GENENTECH INC.
24.4%; Score 112.5; DB 7; Length 120;
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Score 112.5; DB 7; Length 120;
Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Novel human secreted and transmembrane protein PRO1056
US2003207355-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADG23225 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2003207384-A1.
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Pred. No. 9.4e-06;
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Best Local Similarity 36.0%; Pred. No. 9.4e-06;
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Human PRO1056 amino acid sequence SEQ ID NO:199
US2002198148-A1.
                                         Human PRO polypeptide #217.
US2003207418-A1.
                                                                                                                                                                                             ADD89663 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003199028-A1.
                                                                                                                                                                                                                                                                                                                                        ADE40947 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003199031-A1.
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Human PRO polypeptide #217.
US2003194777-A1.
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Human PRO polypeptide #217.
US2003207370-A1.
24.4%;
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36.0%;
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US2003199034-A1.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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RESULT 944
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Best Local Similarity
RESULT 938
Query Match
Best Local Similarity
RESULT 936
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Best Local Similarity
RESULT 937
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Best Local S
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Score 112.5; DB 7; Length 120;
Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Novel human secreted and transmembrane protein PRO1056.
US2003207385-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                       ADH55364 standard, protein, 120 AA.
Novel human secreted and transmembrane protein PRO1056.
US2003207381-A1.
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Novel human secreted and transmembrane protein PRO1056.
US2003207386-A1.
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Novel human secreted and transmembrane protein PRO1056.
US2003207387-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
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Novel human secreted and transmembrane protein PRO1056
US2003207379-A1.
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Novel human secreted and transmembrane protein PRO1056
US2003207388-A1.
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PA (GETH) GENENTECH INC.

Query Match

24.4%; Score 112.5; DB 7;

Best Local Similarity 36.0%; Pred. No. 9.4e-06;
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Best Local Similarity 36.0%; Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
Best Local Similarity 36.0%; Pred. No. 9.4e-06; RESULT 945
                                                                                                                                                                                                                                                                                                              Score 112.5; DB 7
Pred. No. 9.4e-06;
                                        TEDUL 34.0

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TEDUL 34.0

DE Human PRO polypeptide #217.

PN US2003207373.A1.

PD G-NOV-2003.

PA (GETH ) GENENTECH INC.

Query Match

Best Local Similarity 36.0%; Pred. NO RESULT 946
                                                                                                                                                                                            Human PRO polypeptide #217.
US2003207372-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADI35380 standard; protein; 120 AA.
Human PRO polypeptide #50.
US2003050457-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24.4%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24.4%;
                                                                                                                                                                                                                                                         PD 06-NOV-2003
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 36.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        06-NOV-2003.
(GETH ) GENENTECH INC.
2ry Match 24.4%;
st Local Similarity 36.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 954
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 949
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 950
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13-MAR-2003.
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uuery Match 24.4%; Score 112.5; DB 7; Length 120; Best Local Similarity 36.0%; Pred. No. 9.4e-06; RESULT 931
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         vuery Match 24.4%; Score 112.5; DB 7; Length 120;
Best Local Similarity 36.0%; Pred. No. 9.4e-06;
RESULT 932
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       24.4%; Score 112.5; DB 7; Length 120; 36.0%; Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                            Length 120;
                                      Length 120;
                                                                                                                                                                                   Length 120;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 120;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADE26189 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2003087305-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADE32927 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2003194766-A1.
16-OCT-2003.
1 (GETH ) GENENTECH INC.
24.4%; Score 112.5; DB 7;
Query Match 24.4%; Score 112.5; DB 7;
                                                                                                                                                                                                                                                                                                                                                                      ID ADE43184 standard; protein; 120 AA.

DE Human PRO polypeptide #217.

PN US2003199033-A1.

PD 23-OCT-2003.

PA (GETH ) GENENTECH INC.

Query Match

Best Local Similarity 36.0%; Pred. No. 9.4e-06;

RESULT 930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 112.5; DB 7;
Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                          Score 112.5; DB 7;
Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 112.5; DB 7;
Pred. No. 9.4e-06;
                                                                                                                                                                                 Score 112.5; DB 7
Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PRO polypeptide #217.
US2003199059-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADE42619 standard; protein; 120 AA.
Human PRO polypeptide #217.
US203199032-AI.
23-CCT-2003.
GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADE22859 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003199064-A1.
C3-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                          ADE19540 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003199055-A1.
23-OCT-2003
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                       ADE18988 standard, protein; 120 AA.
Human PRO polypeptide #217.
US2003199026-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24.4%;
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                                                                                                                                                                                   24.4%;
                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 36.0%;
RESULT 929
                                                 Best Local Similarity 36.0%;
RESULT 927
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                          23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                23-OCT-2003.
(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 933
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 934
                                                                                                                                                                                                  Best Local Similarity RESULT 928
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                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ٠.
                                                                                                                                                                                                       24.4%; Score 112.5; DB 7; Length 120; 36.0%; Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 112.5; DB 7; Length 120;
Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24.4%; Score 112.5; DB 7; Length 120; 36.0%; Pred. No. 9.4e-06;
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                                                                                                                                                                                                                                                                                                                                                  Length 120;
                                                             24.4%; Score 112.5; DB 7; Length 120; 36.0%; Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       24.4%; Score 112.5; DB 7; Length 120; 36.0%; Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 120;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADE33479 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056.
US2003194767-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel human secreted and transmembrane protein PRO1056 US2003194791-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GG-NOV-2003.
(GETH) GENENTECH INC.
ery Match 24.4%; Score 112.5; DB 7;
ery Match 36.0%; Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       vuery Match · 24.44; Score 112.5; DB 7;
Best Local Similarity 36.0%; Pred. No. 9.4e-06;
RESULT 923
                                                                                                                                                                                                                                                                                                                                                  24.4%; Score 112.5; DB 7 36.0%; Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #217.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADD93120 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003194768-A1.
                                                                                                              ADE22307 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003199056-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                         ADD79531 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003203428-A1.
30-0CT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein; 120 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADD80083 standard; protein; 120 AA. Human PRO polypeptide #217.
US2003207417-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADE17884 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003199023-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADD92016 standard; protein; 120 AA
Human PRO polypeptide #217.
US2003199053-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    PD 16-OCT-2003.
PA (GETH) GENENTECH INC.
QUELY MATCh 24.4%;
Best Local Similarity 36.0%;
RESULT 921
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 924
ID ADE34031
                           16-OCT-2003.
(GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
RESULT 926
ID ADD93120 standard; pi
DE Human PRO polypeptid
PN US2003194768-A1.
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Best Local Similarity
RESULT 925
                                                                                                                                                                                                     Ouery Match
Best Local Similarity
RESULT 919
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Best Local Similarity
RESULT 920
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                         Best Local Similarity RESULT 918
           US2003194765-A1.
                                                              Query Match
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Length 120;

Length 120;

20

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Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 112.5; DB 7; Length 120;
Pred. No. 9.4e-06;
            Score 112.5; DB 7; Length 120;
Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                             Score 112.5; DB 7; Length 120;
Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 112.5; DB 7; Length 120; Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 112.5; DB 7; Length 120;
Pred. No. 9.4e-06;
                                                                                                                                      DB 7; Length 120
                                                                                                                                                                                                                                                                                                                                                                        DB 7; Length 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 7; Length 120
                                              ADD06818 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056.
US2002193300-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                ADD41249 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2003203438-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel human secreted and transmembrane protein PRO1056.
US203203437-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 7;
                                                                                                                                    Score 112.5; DB 7
Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                      Score 112.5; DB 7
Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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US2003077594-Al.
24-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human PRO polypeptide #50.
18200037593-Al.
                                                                                                                                                                             ADD09536 standard, protein; 120 AA.
Human PRO polypeptide #217.
US2003194775-A1.
                                                                                                                                                                                                                                                                                                        ADC83065 standard; protein; 120 AA.
Human PRO polypeptide #50.
US2003059783-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADD52388 standard; protein; 120 AA.
Human PRO polypeptide #217:
US2003194769-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADD53128 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003194792-A1.
                24.4%;
                                                                                                                                    24.4%;
                                                                                                                                                                                                                                                             24.4%;
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36.0%;
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(GETH ) GENENTECH INC.
                                                                                                        19-DEC-2002.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GETH ) GENENTECH INC.
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                                                                                                                                                                                                                                              (GETH ) GENENTECH INC
            Query Match
Best Local Similarity
RESULT 899
                                                                                                                                                Best Local Similarity RESULT 900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
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Best Local Similarity
RESULT 908
                                                                                                                                                                                                                                                                                                                                                      27-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24-APR-2003
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Length 120;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADE26722 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056.
US2003087304-A1.
                                                                                                                                                                                                                                                                                                                                                                                                     Novel human secreted and transmembrane protein PRO1056 US2003203432-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADE32375 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 112.5; DB 7;
Pred. No. 9.4e-06;
                                                                                                                                                                                                             DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 112.5; DB 7;
Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 112.5; DB 7;
Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
                                                                             Score 112.5; DB 7
Pred. No. 9.4e-06;
                                                                                                                                                                                                             Score 112.5; DB 7
Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                          Score 112.5; DB 7
Pred. No. 9.4e-06;
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Pred, No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 112.5; DB 7
Pred. No. 9.4e-06;
                                                                                                                   DE Human PRO polypeptide #217.

PN US2003203431.A1.

PD 30-OCT-2003.

PA (GETH ) GENENTECH INC.

QUERY MATCH

Best Local Similarity 36.0%; Pred. NO RESULT 910
                                                                                                                                                                                                                                                       ADD02069 standard; protein; 120 AA. Human PRO polypeptide #217. US2003203430-Al. 30-OCT-2003. (GETH ) GENENTECH INC. 24.4%; Score 11 PSEL Local Similarity 36.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human PRO polypeptide #217.
US2003199030-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADE04078 standard, protein; 120 AA. Human PRO polypeptide #217. US2003199057-A1. CGETH ) GENENTECH INC.
ADD51836 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003194779-A1.
                                                                                                                                                                                                                                                                                                                                                                                             protein; 120 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDS4568 standard, protein; 120 AA.
Human PRO polypeptide #50.
US2002132253-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADD91464 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003199055-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                        US2002203
30-0CT-2003.
(GETH ) GENENTECH INC.
24.4%; S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity 36.0%;
RESULT 913
                                                                             24.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24.4%;
36.0%;
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36.0%;
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(GETH ) GENENTECH INC.
                                                                GENENTECH INC
                                                                                           Best Local Similarity RESULT 909
                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 911
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
RESULT 912
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                                                                                                                                                                                                                                                                                                                                                                                           ADD54251 standard;
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(GETH ) GENENTECH INC.
ery Match
ery Match 24.4%; Score 112.5; DB 7; Length 120;
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   24.4%; Score 112.5; DB 7; Length 120, 36.0%; Pred. No. 9.4e-06;
                                                                                                                                                           Length 120
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                                                                           Novel human secreted and transmembrane protein Seq ID434.
US2003087359-A1.
08-MAY-2003.
                                                                                                                                                                                                                   ADC56015 standard, protein; 120 AA.
Novel human secreted and transmembrane protein Seg ID434
US2003087360-A1.
                                                                                                                                                                                                                                                                                                                                                                       ADCS8585 standard; protein; 120 AA.
Novel human secreted and transmembrane protein Seg ID434
US2003087346-A1.
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Novel human secreted and transmembrane protein PRO1056.
US2003092104-A1.
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Novel human secreted and transmembrane protein PRO1056.
US2003087348-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADC14499 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056.
US2003082546-A1.
01-MAY-2003.
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Novel human secreted and transmembrane protein PRO1056.
US2003068623-A1.
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                                                                                                                               (GETH) GENERATECH INC.

24.4%; Score 112.5; DB 7;

ry Match

1. 7. And Similarity 36.0%; Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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                                                           protein; 120 AA
                                                                                                                                                                                                                                                                                                                                                                                                         US200300...
08-MAY-2003.
(GETH ) GENENTECH INC.
24.4%; St.
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36.0%;
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US2003194770-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                           08-MAY-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
Query Match
Best Local Similarity
RESULT 880
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Best Local Similarity
RESULT 883
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Best Local Similarity
RESULT 884
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                                                             ADC59137 standard;
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Score 112.5; DB 7; Length 120; Pred. No. 9.4e-06;
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Novel human secreted and transmembrane protein PRO1056.
US203087354-A1.
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Novel human secreted and transmembrane protein PRO1056.
US203392103-Al.
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Novol human secreted and transmembrane protein PRO1056.
US2003087358-A1.
08-MAY-2003.
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Novel human secreted and transmembrane protein PRO1056
US2003073090-A1.
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Novel human secreted and transmembrane protein PRO1056
US2002193299-A1.
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
                                                                                                                    ADD10088 standard; protein; 120 AA. Human PRO polypeptide #217. US2003194776.A1. 16-CCT-2003. (GETH) GENENTECH INC. 24.4%; Score 1) uery Match 24.4%; Score 11 lest Local Similarity 36.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human PRO polypeptide #50.
US2003059833-A1.
27-MAR-2003.
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Human PRO polypeptide #217.
US2003194774-Al.
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Human PRO polypeptide #217.
US2003194771-A1.
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36.0%;
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PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 36.0%;
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Best Local Similarity 36.0%;
RESULT 890
Human PRO polypeptide #217.
US2003194773-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 895
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Best Local Similarity
RESULT 891
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PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 36.0%;
RESULT 871
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       24.4%; Score 112.5; DB 7; Length 120; 36.0%; Pred. No. 9.4e-06;
                                                                                                                                              Score 112.5; DB 7; Length 120;
Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                       24.4%; Score 112.5; DB 7; Length 120; 36.0%; Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Novel human secreted and transmembrane protein PRO1056.
US2003092106-A1.
                                                                                                                                                                                                                                                                                                                        льчьь U2 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2003182592-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 112.5; DB 7;
Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Human secreted/transmembrane protein PRO1056.
US2003049681-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADC11377 standard; protein; 120 AA.
Human secreted/transmembrane protein PRO1056.
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Human secreted/transmembrane protein PRO1056.
                                                      ADB35103 standard; protein; 120 AA.
Human PRO polypeptide SEQ ID NO 434.
US20030777718-A1.
                                                                                                                                                                                            ABB36207 standard; protein; 120 AA.
Human PRO polypeptide SEQ ID NO 434
US2003077720-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADC55043 standard; protein; 120 AA.
Human PRO polypeptide #50.
US2003045463-Al.
06-MAR-2003.
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Human PRO polypeptide #50.
US2003064375-A1.
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                                                                                                                                              24.4%;
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36.0%;
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US2003027754-A1.
06-FEB-2003.
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(GETH ) GENENTECH INC.
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                                                                                                                                              Query Match
Best Local Similarity
RESULT 862
       Query Match
Best Local Similarity
RESULT 861
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Best Local Similarity
RESULT 863
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Length 120;
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Length 120;
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Novel human secreted and transmembrane protein Seg ID434.
US2003087364-A1.
                                                                                                                                                                                                                                                                                                                                                              ADC53008 standard; protein; 120 AA.
Novel human secreted and transmembrane protein Seg ID434
US2003087365-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADC57362 standard; protein; 120 AA.
Novel human secreted and transmembrane protein Seg ID434.
US2003087366-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADC54653 standard; protein; 120 AA.
Novel human secreted and transmembrane protein Seg ID434
US2003087363-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DE ADCG0553 standard; protein; 120 AA.

DE Novel human secreted and transmembrane protein PR01056.

PN US2003087367-A1.

PD 08-MX-2003.

PA (GETH) GENENTECH INC.

QUECY Match

Best Local Similarity 36.0%; Pred. No. 9.4e-06;

RESULT 876
                                                     ADC72022 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056.
US200302107-A1.
15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADC51028 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056.
US2003087361-A1.
GBTH) GENEWTECH INC.
24.4%; Score 112.5; DB 7; Lengt it local Similarity 36.0%; Pred. No. 9.4e-06;
                                                                                                                                                                                                        ADC60001 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2003092105-A1.
                                                                                                                                                                                                                                                                        15-MAI-4003.
(GETH) GENENTECH INC.
ry Match 24.4%; Score 112.5; DB 7;
Score 112.5; DB 7;
Pred. No. 9.4e-06;
                                                                                                                                                   DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 112.5; DB 7;
Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
                                                                                                                                       Query Match 24.4%; Score 112.5; DB 7
Best Local Similarity 36.0%; Pred. No. 9.4e-06;
RESULT 872
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 112.5; DB 7
Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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US2003087362-A1.
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08-MAY-2003.
(GETH ).GENENTECH INC.
24.4%; S
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08-MX-2003.
(GETH ) GENENTECH INC.
24.4%;
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PA (GETH) GENENTECH INC.
Query March
Best Local Similarity 36.0%;
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(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         08-MAY-2003.
(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 878
                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 873
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ID ADB89726 standard; protein; 120 AA.

DE Human PRO polypeptide #217.

PN US203082698-A1.

PD 01-MAX-2003.

PA (GETH ) GENENTECH INC.

Query Match 24.4%; Score 112.5; DB 7; Length 120;

Best Local Similarity 36.0%; Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 112.5; DB 7; Length 120; Pred. No. 9.4e-06;
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Local Similarity 36.0%; Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
                         Score 112.5; DB 7; Length 120;
Pred. No. 9.4e-06;
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Novel human secreted and transmembrane protein PRO1056.
US2003082696-A1.
01-MAY-2003.
(GETH) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                          ADB19559 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADB47182 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2003082687-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 24.4%; Score 112.5; DB 7; Best Local Similarity 36.0%; Pred. No. 9.4e-06; RESULT 855
                                                                                                                                                                                                                                                                                                                                 24.4%; Score 112.5; DB 7; 36.0%; Pred. No. 9.4e-06;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADB15655 standard; protein; 120 AA. Human PRO polypeptide SEQ ID NO 434. US2003077719-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADB33999 standard; protein; 120 AA. Human PRO polypeptide SEQ ID NO 434 US2003077716-A1. C4-APR-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                       Human PRO polypeptide #217.
US2003082762-Al.
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Human PRO polypeptide #217.
US2003082697-A1.
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24-APR-2003.
(GETH ) GENENTECH INC.
24.4%; (
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24-APR-2003.
(GETH ) GENENTECH INC.
MALCh '1-rity 36.0%;
PA (GETH ) GENENTECH INC.
Query Match 24.4%;
Best Local Similarity 36.0%;
RESULT 852
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                 US2003082764-A1
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RESULT 856
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                                                                  Score 112.5; DB 7; Length 120;
Pred. No. 9.4e-06;
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Novel human secreted and transmembrane protein PRO1056.
US2003082689-A1.
01-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AUBJULA Standard; protein; 120 AA. Novel human secreted and transmembrane protein PRO1056 US2003477-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADB38726 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2003082766-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADA92411 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2003082712-A1.
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Pred. No. 9.4e-06;
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USZUVJ...

(GE'HT) GENENTECH INC.

(GETY MATCh 24.4%; SCORE 112.5; DB 7;

(ETY MATCh 36.0%; Pred. No. 9.4e-06;
                                                                                                                                                                                          10-APK-2005.
(GETH) GENENTECH INC.
24.4%; Score 112.5; DB 7
:ry Match: 36.0%; Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                          24.4%; Score 112.5; DB 7 36.0%; Pred. No. 9.4e-06;
     Human secreted/transmembrane protein PRO1056.
US2003059782-A1.
27-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human PRO polypeptide #50.
US2003054403-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                             ADB23689 standard; protein; 120 AA.
Human PRO polypeptide SEQ ID NO 434
US2003077712-A1.
                                                                                                                         ADA67055 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003068793-A1.
                                                                                                                                                                                                                                                                            ADB22916 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003077711-A1.
24-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADB15474 standard; protein; 120 AA
Human PRO polypeptide #217.
US2003087352-A1.
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PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 36.0%;
RESULT 851
                                                                    24.4%;
36.0%;
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(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 846
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RESULT 844
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RESULT 849
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RESULT 850
                                                                                  Best Local Similarity RESULT 843
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Page 46

Query Match

Query Match

Length 120;

01-MAY-2003

Query Match

Query Match

Length 120; Length 120; Length 120; Ouery Match 24.4%; Score 112.5; DB 7; Length 120; Best Local Similarity 36.0%; Pred. No. 9.4e-06; Length 120; Length 120; Length 120; Length 120; ADA88669 standard; protein; 120 AA. Novel human secreted and transmembrane protein PRO1056 US2003073213-A1. ADB22364 standard; protein; 120 AA. Novel human secreted and transmembrane protein PRO1056 US203087344-A1. 08-MAY-2003. Ol.MAY-2003. (GETH) GENENTECH INC. ery Match 24.4%; Score 112.5; DB 7; ery Match 36.0%; Pred. No. 9.4e-06; Score 112.5; DB 7; Pred. No. 9.4e-06; 24.4%; Score 112.5; DB 7; 36.0%; Pred. No. 9.4e-06; 24.4%; Score 112.5; DB 7; 36.0%; Pred. No. 9.4e-06; DB 7; Score 112.5; DB 7; Pred. No. 9.4e-06;

Query Match

Best Loca RESULT 828

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Query Match
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RESULT 822
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                                                                                                                                                    Score 112.5; DB 6; Length 120; Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24.4%; Score 112.5; DB 6; Length 120; 36.0%; Pred. No. 9.4e-06;
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   Score 112.5; DB 6; Length 120;
Pred. No. 9.4e-06;
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                                                                                                                                                                                                                                                                                                   DB 6; Length 120;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADA84806 standard; protein; 120 AA.

Novel human secreted and transmembrane protein PRO1056.
US2003082708-A1.
(GL-WAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                        ADA85358 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2003082695-A1.
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Best Local Similarity 36.0%; Pred. No. 9.4e-06;
RESULT 807
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADA38640 standard; protein; 120 AA.
Human secreted/transmembrane protein PRO1056.
US2003059780-A1.
                                                     ADA82317 standard; protein; 120 AA. Human PRO polypeptide #217. US2003082701-A1. 01-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADA75832 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003082703-A1.
                                                                                                                                                                                                          ADA75280 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003073216-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADB30062 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003073214-A1.
17-APR-2003.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   120 AA
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01-MX-2003.
(GETH ) GENENTECH INC.
24.4%;
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Human PRO polypeptide #217.
US2003073210-A1.
17-APR-2003.
(GETH ) GENENTECH INC.
       24.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                   17-APR-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                  01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC
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Best Local Similarity
Query Match
Best Local Similarity
RESULT 805
                                                                                                                                                      Query Match
Best Local Similarity
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Best Local Similarity
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Query Match 24.4%; Score 112.5; DB 6; Length 120; Best Local Similarity 36.0%; Pred. No. 9.4e-06; RESULT 821
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 24.4%; Score 112.5; DB 6; Length 120; Best Local Similarity 36.0%; Pred. No. 9.4e-06; RESULT 818
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     / Match 24.4%; Score 112.5; DB 6; Length 120; Local Similarity 36.0%; Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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                                                                                                                                                                                                                                                      Length 120;
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                                                                                                   Length 120;
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(GETH ) GENENTECH INC.

ery Match 24.4%; Score 112.5; DB 6;

ery Match 36.0%; Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
                                                                                                 Score 112.5; DB 6;
Pred. No. 9.4e-06;
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                                                                                                                                                                                                                                                          Score 112.5; DB 6
Pred. No. 9.4e-06;
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Human secreted/transmembrane protein PRO1056.
US2003060407-A1.
27-MAR-2003.
ID ADB25353 standard; protein; 120 AA.
DE Human PRO polypeptide SEQ ID NO 434.
PN 24-APR-2003.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 36.0%; Pred. No.
RESULT 815
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADB24241 standard; protein; 120 AA.
Human PRO polypeptide SEQ ID NO 434.
US2003077714-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADA81142 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003082702-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADA96570 standard; protein; 120 AA. Human PRO polypeptide #217. US2003082690-A1.
                                                                                                                                                                                                                                                                                                               ADB26879 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003092147-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADB31166 standard; protein; 120 AA. Human PRO polypeptide #217. 22.4AX-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADA61094 standard; protein; 120 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADA96018 standard; protein; 120 AA
                                                                                                                                                           ADA93529 standard, protein; 120 AA.
Human PRO polypeptide #217.
US2003077721-A1.
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PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 36.0%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens.
US2003049817-Al.
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PD 01-MAY-2003.

PA (GETH ) GENENTECH INC.

Query March 24.4%;

Best Local Similarity 36.0%;
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                                                                                                    Score 112.5; DB 6; Length 120;
Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADA91859 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056.
US2003082694-A1.
                                                                                                                                                                                                                                                                                                     ADA85910 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2003082693-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADA87565 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2003087345-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                24.4%; Score 112.5; DB 6 36.0%; Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADA27835 standard; protein; 120 AA.
Human secreted/transmembrane protein PRO1056.
US2003054359-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #217.
US2003082705-Al.
       ADA67607 standard, protein; 120 AA.
Human PRO polypeptide #217.
US2003068795-A1.
                                                                                                                                                    ADB30614 standard, protein; 120 AA.
Human PRO polypeptide #217.
US2003068794-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADB16767 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003087349-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADA17727 standard; protein; 120 AA
                                                                                                  24.4%;
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36.0%;
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Best Local Similarity 36.0%;
RESULT 793
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Best Local Similarity 36.0%;
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US2003054987-A1.
20-MAR-2003.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
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(GETH ) GENENTECH INC.
                                                                                   (GETH ) GENENTECH INC
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RESULT 791
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SULT 789
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Best Local S
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ADB18883 standard; protein; 120 AA.

N US2003073211-A1.

D 17-APR-2003.

A (GETH ) GENENTECH INC.

Query Match

Best Local Similarity 36.0%; Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 120;
 Length 120;
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Novel human secreted and transmembrane protein PRO1056.
US2003044945-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADB19994 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056.
US2003082691-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 24.4%; Score 112.5; DB 6; Best Local Similarity 36.0%; Pred. No. 9.4e-06; RESULT 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADB13306 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2030382710-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
24.4%; Score 112.5; DB 6;
St Local Similarity 36.0%; Pred. No. 9.4e-06;
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9
                                                                                                                              Score 112.5; DB 6;
Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
Score 112.5; DB 6
Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADA94415 standard; protein; 120 AA.
Human secreted/transmembrane protein PRO1056.
22-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human PRO polypeptide SEQ ID NO 434. US2003077113-A1.
                                             ADB14922 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003087351-A1.
(GB-MAY-2003.
                                                                                                                                                                                                                                                                                                                  ADA94098 standard; protein; 120 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADA74560 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003068798-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US20030442.
06-MAR-2003.
(GETH ) GENENTECH INC.
24.4%; SC
                                                                                                                              24.4%;
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36.0%;
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US2003077722-A1.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 802
                                                                                                                                        Best Local Similarity
RESULT 797
                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 798
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RESULT 799
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Length 120;

Length 120;

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ID ADB19442 standard; protein; 120 AA.

DE Novel human secreted and transmembrane protein PRO1056.

PN US2003068796-A1.

PD 10-ARR-2003.

PA (GETH ) GENENTECH INC.

Query Match

24.4%; Score 112.5; DB 6; Length 120;

RESULT 779
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Best Local Similarity 36.0%; Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADA86462 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2003082711-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 112.5; DB 6;
Pred. No. 9.4e-06;
 24.4%; Score 112.5; DB 6; 36.0%; Pred. No. 9.4e-06;
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(GETH ) GENENTECH INC.
24.4%; Score 112.5; DB 6;
27.7.0.2] Similarity 36.0%; Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human secreted/transmembrane polypeptide PRO1056. US2003054404-A1.
                                                                                                                                             Score 112.5; DB 6;
Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 112.5; DB 6
Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 24.4%; Score 112.5; DB 6
Best Local Similarity 36.0%; Pred. No. 9.4e-06;
RESULT 781
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Pred. No. 9.4e-06;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADA37710 standard; protein; 120 AA.
Human secreted/transmembrane protein PRO1056.
US2003008297-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADA47812 standard; protein; 120 AA.
Human PRO polypeptide #217.
17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                           ADB27983 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003082704-A1.
01-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADBIGO26 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003087350-A1.
                                                       ADA61657 standard; protein; 120 AA.
Homo sapiens.
US2003049816-A1.
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                                                                                          US20030-13-MAR-2003.
(GFTH ) GENENTECH INC.
24.4%;
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36.0%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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RESULT 786
     Query Match
Best Local Similarity
RESULT 777
                                                                                                                                           Query Match
Best Local Similarity
RESULT 778
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RESULT 782
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(GETH ) GENENTECH INC.
ery Match 24.4%; Score 112.5; DB 6; Length 120;
                                                                                                                                                                                                                                                                                                                            24.4%; Score 112.5; DB 6; Length 120; 36.0%; Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 120;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 120;
                                                                                                                                                                                                      DB 6; Length 120;
                                                          Length 120;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABUB1616 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056.
US2002177164-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADA45953 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2003022328-A1.
                                                                                                                                                                                                                                                          ABU92158 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056
US2003017476-A1.
                                                                                                              ABUG7062 standard; protein; 120 AA.
Human secreted/transmembrane, PRO, protein SEQ ID 434.
US2003032155-A1.
13-FEB-2003.
       Novel human secreted or transmembrane protein PRO826.
US2003027985-Al.
06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABU88555 standard; protein; 120 AA.
Human secreted and transmembrane polypeptide PRO1056
US2002197615-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          24.4%; Score 112.5; DB 6; 36.0%; Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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Best Local Similarity 36.0%; Pred. No. 9.4e-06;
RESULT 772
                                                          Score 112.5; DB 6;
Pred. No. 9.4e-06;
                                                                                                                                                                     13-FEB-2003.
(GETH) GENENTECH INC.
24.4%; Score 112.5; DB 6;
24.4%; Pred. No. 9.4e-06;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABO34069 standard, protein, 120 AA.
Human PRO1056 polypeptide.
US2003017981-A1.
23-JAN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADA76384 standard; protein; 120 AA.
Human PRO polypeptide #217.
US2003073212-A1.
                                                                                                                                                                                                                                                                                                                                                                                   protein; 120 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US20030,522
17-APR-2003.
(GETH ) GENENTECH INC.
24.4%;
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                                                            24.4%;
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Human PRO polypeptide #50.
US2002123463-Al.
05-SEP-2002.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
... sect.
... 27985-A1.
... A Match.
... A Match.
... Set Local Similarity RESULT 768
ID ABU67062 stander
ID ABU67062 bt Naman secreting PN W320036**
PN W320036**
PP 13-7**
PA
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RESULT 71
ID ABU81616 standard; p:
DE Novel human secreted
PN US2002177164-A1.
PD 28-NOV-2002.
PA (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 770
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Length 120;

DB 6;

Length 120;

Length 120;

Length 120;

DB 6;

Length 120;

9

Best Loca RESULT 750

RESULT 751

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ABUS9392 standard; protein; 120 AA
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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RESULT 763
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                                                                                                                                                                              24.4%; Score 112.5; DB 3; Length 120; 36.0%; Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                   DB 4; Length 120;
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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                                            DB 8; Length 96;
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                                                                                                                                                                                                                                                                                                                                                                 AAB65203 standard; protein; 120 AA.
Human PRO1056 (UNQ521) protein sequence SEQ ID NO:199.
WO200073454-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABUSSO96 standard; protein; 120 AA.
Novel human secreted or transmembrane protein PRO1056
US2002132252-A1.
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Pred. No. 9.4e-06;
04-DEC-2003.
(HUMA-) HUMAN GENOME SCI INC.
ery Match
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? ^!milarity 36.0%; Pred. No. 7.1e-06;
                                                                                                                                                                                                                                                                                                                 24.4%; Score 112.5; DB 4 36.0%; Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-AUG-2002.
(GETH ) GENENTECH LTD.
24.4%; Score 112.5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human secreted/transmembrane protein, #77.
US2002160384-A1.
                                                                                 Membrane-bound protein; 120 AA. Wembrane-bound protein PRO1056. WO9963088-A2. 09-BEC-1999.
                                                                                                                                                                                                                              AAU12388 standard, protein; 120 AA.
Human PRO1056 polypeptide sequence.
WO200140466-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABUS8018 standard, protein, 120 AA.
Human PRO polypeptide #50.
US2003027163-A1.
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Best Local Similarity 36.0%;
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US2002103125-A1.
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Best Local Similarity
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Best Local Similarity
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Best Local Similarity
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Best Loca RESULT 756

RESULT

Query

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Score 112.5; DB 6; Length 120; Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
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                                                                                                                                                                                                  ABU72494 standard; protein; 120 AA.
Novel human secreted and transmembrane protein PRO1056.
US2003003531-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel human secreted and transmembrane protein. PRO1056 US2003022187-A1.
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Pred. No. 9.4e-06;
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Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABU59867 standard; protein; 120 AA.
Novel secreted and transmembrane protein PRO1056.
US2003017563-A1.
23-JAN-2003.
(GETH ) GENENTECH INC.
ETY MAtch
St. Cocal Similarity 36.0%; Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AD025057 standard; protein; 120 AA.
Human secreted/transmembrane protein (PRO) #217.
US2003036179-A1.
20-FEB-2003.
(GETH) GENENTECH INC.
24.4%; Score 112.5; DB 6;
Bt Local Similarity 36.0%; Pred. No. 9.4e-06;
Best Local Similarity 36.0%; Pred. No. 9.4e-06; RESULT 758
ID ABU81086 standard; protein; 120 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24.4%; Score 112.5; DB 6 36.0%; Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                   Score 112.5; DB 6
Pred. No. 9.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABUS8949 standard; protein; 120 AA.
Human sectreted/transmembrane protein, #77.
US2002142961-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABUS9243 standard; protein; 120 AA.
Human secreted/transmembrane protein, #77.
US2003027162-A1.
                                      ABUB1086 standard; protein; 120 AA. Human PRO polypeptide #217. US2003004311-A1. 02-JAN-2003. G-JAN-2003.
                                                                                                                                                                                                                                                                                                                                                        ABU66786 standard, protein, 120 AA.
Human PRO polypeptide #217.
US2003036180-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABO25940 standard; protein; 120 AA.
Human PRO1056 polypeptide.
US2002127576-A1.
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RESULT 761
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36.0%;
                                                                                                                                   Best Local Similarity . 36.0%;
                                                                                                                                                                                                                                                   PD 02-JAN-2003.
PA (GETH ) GENENTECH INC.
QUETY MATCh 24.4%;
Best Local Similarity 36.0%;
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Query Match

Query Match

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Region of human secreted protein encoded by cDNA sequence #154.
US2003049618-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24.4%; Score 112.5; DB 6; Length 96; 36.0%; Pred. No. 7.1e-06;
                                         Length 96;
         16-JUL-2002.
(HUMA-) HUMAN GENOME SCI INC.
ery Match 24.4%; Score 112.5; DB 5;
ery Match 36.0%; Pred. No. 7.1e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AD123188 standard; protein; 96 AA.
Novel human secreted protein seg id 473.
US2003175858-A1.
                                                                                       ABO34527 standard; protein; 96 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADH74190 standard; protein; 96 AA.
Human secreted protein #154.
US2003225248-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18-SEP-2003.
(RUBE/) RUBEN S M.
(ROSE/) ROSEN C A.
(SOPP/) SOPPET D R.
(CART/) CARTER K C.
(REDN/) BEDNARIK D P.
(KUGG/) YU G.
                                                                                                                                                                                                                                                          NI J.
YOUNG P.
GREENB J M.
FERRIE A M.
DUAN D R.
HU J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     YU G.

NI J.
FENG P.
FENG P.
GREENE J M.
FERRIE A M.
DUAN D R.
FLORENCE K A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OLSEN H S.
FISCHER C L.
EBNER R.
BREWER L A.
MOORE P A.
SHI Y.
LAFLEUR D W.
                                                                                                                                                                                                                                                                                                                                                                                                              EBNER R.
BREWER L A.
MOORE P A.
SHI Y.
LAFLEUR D W.
                                                                                                                                                  RUBEN S M.
ROSEN C A.
SOPPET D R.
CARTER K C.
BEDNARIK D P.
ENDRESS G A.
                                                                                                                                                                                                                                                                                                                                                                                  OLSEN H S.
FISCHER C L.
                                                     Best Local Similarity RESULT 746
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (LIYY/) LI Y.
(ZENG/) ZENG Z.
(KYAW/) KYAW H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (LIYY/) LI Y.
(ZENG/) ZENG Z.
(KYAW/) KYAW H.
US6420526-B1
                                                                                                                                      13-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Match
                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (NIJJ/)
(FENG/)
(YOUN/)
(GREE/)
(FERR/)
(HUJJ/)
(FLOR/)
(CLSE/)
(FISC/)
                                                                                                                                                                   (ROSE/)
(SOPP/)
                                                                                                                                                                                                (CART/)
(BEDN/)
                                                                                                                                                                                                                                                                                                                                                                                                 FISC/)
EBNE/)
BREW/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BREW/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOOR/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LAFL/)
                                                                                                                                                      RUBE/)
                                                                                                                                                                                                                               ENDR/)
                                                                                                                                                                                                                                                                                            YOUN/)
                                                                                                                                                                                                                                                                            FENG/)
                                                                                                                                                                                                                                              (Xnded/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Loca
RESULT 747
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABM81305 standard; protein; 95 AA.
Tumour-associated antigenic target (TAT) polypeptide PRO82051, SEQ:3370.
WO2004030615-A2.
                                                                                                                                                                                                                                                                                                                        ABUS2798 standard; protein; 95 AA.
Human signal transduction-associated protein from DKFZphfbr2_82i17.
WC200112659-A2.
22-FBB-2001.
                                                                                                                     ٠.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          24.4%; Score 112.5; DB 10; Length 95; 36.0%; Pred. No. 7e-06;
                              24.6%; Score 113.5; DB 4; Length 155; 34.2%; Pred. No. 9.8e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11.SEP-1998.
(HUMA-) HUMAN GENOME SCI INC.
ery Match 24.4%; Score 112.5; DB 2; Length 96;
                                                                                                                                                                                                                                                                                                                                                                                                 Score 112.5; DB 4; Length 95;
Pred. No. 7e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 112.5; DB 8; Length 95;
Pred. No. 7e-06;
                                                                                                                                                        Length 95;
                                                                                                                                                                                                                                                                            24.4%; Score 112.5; DB 4; Length 95; 36.0%; Pred. No. 7e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAW74882 standard; protein; 96 AA.
Human secreted protein encoded by gene 154 clone HE6FL83
WO9839448-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AEE24249 standard; protein; 95 AA.
Novel human protein amino acid sequence - SEQ ID 918.
US2005266423-A1.
                                                                                                                                                      Score 112.5; DB 2;
Pred. No. 7e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PD 15-APR-2004.
PA (CETH) GENENTECH INC.
Query Match 24.4%; Score 112.5; DB
Best Local Similarity 36.0%; Pred. No. 7e-06;
                                                                                                                                                                                                                                                                                                                                                                                      (GEHU-) GERMAN HUMAN GENOME PROJECT.
                                                                       AAW51104 standard; protein; 95 AA. A human phospholemman-like protein. WO9814572-A1.
                                                                                                                                                  Ouery Match
Best Local Similarity 36.0%; Pred.
RESULT 739
ID AAU14575 standard; protein; 95 AA.
DE Human novel protein #446.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADH80893 standard; protein; 95 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABG95333 standard; protein; 96 AA Human novel secreted protein #154.
                                                                                                                                                                                                                                                                                                                                                                                                      24.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24.4%;
                                                                                                                          09-APR-1998.
(INCY-) INCYTE PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human polypeptide #210.
US2003232054-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (CAOY/) CAO Y.
(DRMA/) DRMANAC R T.
                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 740
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 744
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
RESULT 745
                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 741
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (NUVE-) NUVELO INC.
                               Ouery Match
Best Local Similarity
RESULT 738
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CHEN R.
QIAN X B.
WANG Z W.
WEHRMAN T.
ZHANG J.
ZHOU P.
                                                                                                                                                                                                                                               02-AUG-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TANG Y T.
LIU C.
ASUNDI V.
              (HYSE-) HYSEQ INC.
    26-JUL-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              18-DEC-2003
(TANG/) TANG
```

(CHEN/) (QIAN/) (WANG/) (LIUC/) (ASUN/)

WEHR/)

RESULT

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26.2%; Score 121; DB 6; Length 70; 44.9%; Pred. No. 3.9e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADE83503 standard; protein; 92 AA.
Rat Protein 008589, SEQ ID NO 11099.
W02003016475-A2.
27-FEB-2003.
(GEHO ) GEN HOSPITAL CORP.
(FARB ) BAYER AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human polypeptide SEQ ID NO 1922.
WO20015312-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human novel protein; 138 AA. WO200155437-A2.
                                                                                                                                                                                                                                      ADES8523 standard; protein, 92 AA.
Rat Protein 008589, SEQ ID NO 4398
W02003016475-A2.
27-FEB-2003.
(GEHO ) GEN HOSPITAL CORP.
(FARE ) BAYER AG.
                                                                                                                                                                                                                                                                                                                                                     ADES8519 standard; protein; 92 AA.
Rat Protein 008589, SEQ ID NO 4394,
W02003016475-A2.
27-FEB-2003.
(GEHO ) GEN HOSPITAL CORP.
(FARB ) BAYER AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24.7%;
31.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24.6%;
                                                                                                                                                                                                         Best_Local Similarity RESULT 731
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 737
                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 732
 Query Match
Best Local Similarity
RESULT 729
                                                                                               Query Match
Best Local Similarity
RESULT 730
                                                                                                                                                                                                                                                                                                                                                                                                                              Ouery Match
Best Local Similarity
RESULT 733
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Best Local Similarity
RESULT 734
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(NUVE-) NUVELO INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 735
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 736
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26-JUL-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          02-AUG-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                            11-FEB-1999.
(GEST ) GENSET.
                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                          ٠.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADZ12383 standard, protein; 93 AA.
Human secreted protein sequence encoded by gene 50 SEQ ID NO:183.
US6878687-B1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABO02067 standard; protein; 70 AA.
Novel human secreted protein associated protein fragment #12
US2003027132-A1.
                                       Length 92;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  28.0%; Score 129; DB 9; Length 93; 41.3%; Pred. No. 5.5e-08;
                                                                                                                                     Length 93,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 93;
                                                                         AAW75106 standard; protein; 93 AA.
Human secreted protein encoded by gene 50 clone HHSDZ57
                                                                                                                                    28.0%; Score 129; DB 2; 41.3%; Pred. No. 5.5e-08;
                                     28.0%; Score 129; DB 9; 41.3%; Pred. No. 5.4e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                28.0%; Score 129; DB 6; 41.3%; Pred. No. 5.5e-08;
                                                                                                                                                                         ABO01982 standard; protein; 93 AA.
Novel human secreted protein #50.
US2003027132-A1.
                                                                                               W09839446-A2.
11-SEP-1998.
(HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                                                                                                                                                                                                                           (FERR) FERRIE A M.
(DUAN) DUAN R.
(HUJJ) HU J.
(FLOR) FLORENCE K A.
(CLSE) CLSEN H S.
(EBNE) EBNER R.
(SREW) SHEWER L.
(SHIY) SHI Y.
(EDWA/) EDWARDS J D M. (DUCL/) DUCLERT A. (BOUG/) BOUGUELERET L.
                                                                                                                                                                                                                                                              SOPPET D R.
CARTER K C.
BEDNARIK D R.
ENDRESS G A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        06-FEB-2003.
(RUBE,) RUBEN S M.
(ROSE/) ROSEN C A.
(FISC/) FISCHER C L.
(SOPP/) SOPPET D R.
(CART/) CARTER K C.
(BEDN/) BEDNARIK D R.
(BEDN/) ENDRESS G A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HU J.
FLORENCE K A.
OLSEN H S.
EBNER R.
BREWER L A.
SHI Y.
                                                                                                                                                                                                                         (RUBE/) RUBEN S M.
(ROSE/) ROSEN C A.
(FISC/) FISCHER C L.
(SOPP/) SOPPET D R.
(CART/) CARTER K C.
(BEDN/) BEDNARIK D R.
                                 Query Match
Best Local Similarity
RESULT 725
                                                                                                                                                                                                                                                                                                                               NI J.
FENG P.
YOUNG P E.
GREENE J M.
FERRIE A M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
RESULT 728
                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FENG P.
YOUNG P E.
GREENE J M.
FERRIE A M.
DUAN R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
RESULT 727
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                                                                                                                                      Query Match
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(FLOR/)
(OLSE/)
(EBNE/)
(BREW/)
(SHIY/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (ENDR/)
(YUGG/)
(NIJJ/)
(FENG/)
(YOUN/)
(GREE/)
(FERR/)
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FENG/)
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RESULT 726
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24.6%; Score 113.5; DB 10; Length 138; 34.2%; Pred. No. 8.4e-06;
AD212469 standard; protein; 70 AA.
Human gene 50 secreted protein related sequence SEQ ID NO:269
US6878687-B1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 113.5; DB 4; Length 138;
Pred. No. '8.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 138;
                                                                                                                                                                                                                                                                                                             Length 63;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24.7%; Score 114; DB 7; Length 92; 31.6%; Pred. No. 4.3e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24.7%; Score 114; DB 7; Length 92; 31.6%; Pred. No. 4.3e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 92;
                                                                                                                      Length 70;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AEE23777 standard; protein; 138 AA.
Novel human protein amino acid sequence - SEQ ID 446.
US2005266423-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24.6%; Score 113.5; DB 4; 34.2%; Pred. No. 8.4e-06;
                                                                                                                                                                                                                                                                                                             24.7%; Score 114; DB 2;
43.1%; Pred. No. 2.7e-06;
                                                             12-APR-2005.
(HUMA-) HUMAN GENOME SCI INC.
ELY Match 26.2%; Score 121; DB 9;
ery Match 44.9%; Pred. No. 3.9e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 114; DB 7;
Pred. No. 4.3e-06;
                                                                                                                                                                                         AAY12377 standard, protein; 63 AA.
Human 5' EST secreted protein SEQ ID NO:408.
WO9906548-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAM40563 standard; protein; 155 AA.
Human polypeptide SEQ ID NO 5494.
WO200153312-A1.
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Human Protein 000168, SEQ ID NO 4396
                      WO2003016475-A2.
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                                       Length 92;
                                                                                                                                                                        Length 92;
                                                                                                                                                                                                                                                                                                          Length 92;
                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 92;
                                                                                    A7.4749 standard; protein; 92 AA.
Human phospholemman homologue protein.
US5919655-A.
US-219655-A.
US-219655-A.
US-219655-A.
US-219655-A.
US-219655-A.
US-21999.
UNAT-) INCYTE PHARM INC.
28.0%; Score 129; DB 2;
ery Match
st Local Similarity 41.3%; Pred. No. 5.4e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MUSYCLEB-1999.
(QYMO) ZYMOGENETICS INC.
(AYMO) ZYMOGENETICS INC.
Ery Match 28.0%; Score 129; DB 2;
ery Match 41.3%; Pred. No. 5.4e-08;
11-SEP-1998.
(HUMA-) HUMAN GENOME SCI INC.
28.0%; Score 129; DB 2;
Lery Match 28.0%; Score 129; DB 2;
28.0%; Pred. No. 5.4e-08;
                                                                                                                                                                                                                                                                                                                                                       AAY48331 standard; protein; 92 AA.

Human prostate cancer-associated protein 28.
DE19811194-A1.
16-SEP-1999.
(META-) METAGEN GES GENOWFORSCHUNG MBH.
28.0%; Score 129; DB 2;
st Local Similarity 41.3%; Pred. No. 5.4e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 129; DB 6;
Pred. No. 5.4e-08;
                                                                                                                                                                                                                                                                                                          28.0%; Score 129; DB 2; 41.3%; Pred. No. 5.4e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28.0%; Score 129; DB 5; 41.3%; Pred. No. 5.4e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABB97244 standard; protein; 92 AA.
Novel human protein SEQ ID NO: 512
WO200222660-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel human secreted protein; 92 AA. US2003027132-A1.
                                                                                                                                                                                                                        AAYS9689 standard; protein; 92 AA. Secreted protein 26-44-1-B5-CL3_1.09940189-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAW92960 standard; protein; 92 AA.
Human PLM protein.
WO9905276-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADE58521 standard; protein; 92 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                28.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (RUBE) RUBEN S M.
(ROSE/) ROSEN C A.
(FISC/) FISCHER C L.
(SOPP/) SOPPET D R.
(CART)/ CARTER K C.
(BEDN/) BEDNARIK D R.
(ENDR/) ENDRESS G A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HU J.
FLORENCE K A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NI J.
FENG P.
YOUNG P E.
GREENE J M.
FERRIE A M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OLSEN H S.
EBNER R.
BREWER L A.
SHI Y.
                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 714
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 716
                                                                                                                                                                                    Best Local Similarity RESULT 711
                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 712
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 713
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21-MAR-2002.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DUAN R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               06-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                          Query Match
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(OLSE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (ENDR/)
(YUGG/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (YOUN/)
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ADJ69464 standard; protein; 92 AA.
Human heat mitochondrial protein as a therapeutic target SeqID1270.
WO2003087768-A2.
23-0CT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADZ12438 standard; protein; 92 AA.
Human secreted protein sequence encoded by gene 50 SEQ ID NO:238.
US6878687-B1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            28.0%; Score 129; DB 7; Length 92; 41.3%; Pred. No. 5.4e-08;
                                                           Length 92;
                                                                                                                                                                                                                                    28.0%; Score 129; DB 7; Length 92; 41.3%; Pred. No. 5.4e-08;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 92;
                                                                                                                                                                                                                                                                                                                                                                                                                  28.0%; Score 129; DB 7; Length 92; 41.3%; Pred. No. 5.4e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 92,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 92;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADZ89299 standard; protein; 92 AA.
Secreted protein encoded by extended EST cDNA #36.
182005106599-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WCCUTTO OB-AFR-2004.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
28.0%; Score 129; DB 8;
ery Match
cimilarity 41.3%; Pred. No. 5.4e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12-APR-2005.
(HUMA-) HUMAN GENOME SCI INC.
ery Match 28.0%; Score 129; DB 9;
ery Match 41.3%; Pred. No. 5.4e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28.0%; Score 129; DB 8; 41.3%; Pred. No. 5.4e-08;
                                                           28.0%; Score 129; DB 7; 41.3%; Pred. No. 5.4e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 129; DB 7;
Pred. No. 5.4e-08
                                                                                                                                                                                                                                                                                                ADE83505 standard; protein; 92 AA.
Human Protein 000168, SEQ ID NO 11101.
WO2003016475-A2.
                                                                                                                  ADES6525 standard; protein; 92 AA.
Human Protein 000168, SEQ ID NO 4400.
W02003016475-A2.
27-FEB-2003.
(GEHO ) GEN HOSPITAL CORP.
(FARB ) BAYER AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADNO5844 standard; protein; 92 AA.
Antipsoriatic protein sequence #1085.
WO2004028479-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADP19520 standard; protein; 92 AA.
Human secreted polypeptide #371.
US2004110939-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADM77839 standard, protein, 92 AA.
Human protein #36.
US2003162176-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               M.C.-
23-0CT-2003.
(MITO-) MITOKOR.
(BUCK-) BUCK INST AGE RES.
Match 28.0%; SC
                                                                                                                                                                                                                                                                                                                                                         27-FEB-2003.
(GEHO ) GEN HOSPITAL CORP.
(FARB ) BAYER AG.
27-FEB-2003.
(GEHO ) GEN HOSPITAL CORP.
(FARB ) BAYER AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    28-AUG-2003.
(EDWA/) EDWARDS J D M.
(DUCL/) DUCLERT A.
(BOUG/) BOUGUELERET L.
                                                                                                                                                                                                                                                                                                                                         2003.
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RESULT 724
                                                                                                                                                                                                                                    Query Match
Best Local Similarity
RESULT 718
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 723
                                                                         Best Local Similarity RESULT 717
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Best Local Similarity
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(GEST ) GENSET SA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                             Query Match
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ADN40039 standard; protein; 113 AA.
Cancer/angiogenesis/fibrosis-related polypeptide, SEQ ID NO:C409.
WO2003042661-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABUS2799 standard; protein; 83 AA.
Human signal transduction-associated DKFZphfbr2_82117 homologue.
820112659-A2.
22-FEB-2001.
GGHU-J GERWAN HUMAN GENOME PROJECT.
28.0%; Score 129; DB 4; Length 83; pr Local Similarity 41.3%; Pred. No. 4.7e-08;
                                                                                                                                                       41.5%; Score 191.5; DB 6; Length 113; 42.1%; Pred. No. 8.4e-16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           vwery match 41.5%; Score 191.5; DB 3; Length 150; Best Local Similarity 42.1%; Pred. No. 1.2e-15; RESULT 705
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      38.1%; Score 175.5; DB 9; Length 111; 41.2%; Pred. No. 8.8e-14;
                                                                                                                                                                                                                                                                      Length 113;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 111;
                                                                                                                                                                                                                                                                                                                                                                                      Length 113;
                                        45.4%; Score 209.5; DB 8; Length 86; 54.0%; Pred. No. 3.1e-18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TT-FEB-2003.
(INCY-) INCYTE GENOMICS INC.
ery Match 32.5%; Score 150; DB 6; Length 67;
                                                                                                                                                                                                                                                                                                                                                                                                                             AAB53415 standard; protein; 150 AA.
Human colon cancer antigen protein sequence SEQ ID NO:955.
WO200055351-A1.
21-SEP-2000.
(HUMA-) HUMAN GENOME SCI INC.
                                                                               D ABRA7468 standard; protein; 113 AA.

E Breast cancer associated protein sequence SEQ ID NO:168.

WO2003004989-A2.

16-JAN-2003.

A (MILL-) MILENIUM PHARM INC.

Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAW75161 standard; protein; 92 AA.
Human secreted protein encoded by gene 50 clone HHSDZ57.
WO9839446-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADZ69595 standard; protein; 111 AA.
Human phospholemman-like protein (PLML) SEQ ID NO:3.
US2005101558-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABG75841 standard; protein; 67 AA.
Transporters and ion channels protein 23, TRICH-23.
WO2003016493-A2.
                                                                                                                                                                                      ID ABD5318 standard; protein; 113 AA.

DE Prostate cancer marker protein.

PN W02003009814-A2.

PD 06-FEB-2003.

PA (MILL-) MILLENNIUM PHARM INC.

Query Match

41.5%; Score 191.5; DB 7;

Best Local Similarity 42.1%; Pred. No. 8.4e-16;
                                                                                                                                                                                                                                                                                                                                                                             Query Match 41.5%; Score 191.5; DB 7; Beet Local Similarity 42.1%; Pred. No. 8.4e-16; RESULT 704
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PD 04-DEC-2003.
PA (ISIS-) ISIS PHARM INC.
Query Match
Best Local Similarity 41.2%; Pred. No. 8.8e-14;
RESULT 706
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADI36717 standard; protein; 111 AA
                                                                                                                                                                                                                                                                                                                                                       22-MAY-2003.
(EOSB-) EOS BIOTECHNOLOGY INC.
                                                                                                                                                                 Best Local Similarity RESULT 702
 (EDIN/) EDINGER S R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 709
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 708
           (MILL/) MILLET I.
(ELLE/) ELLERMAN K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
RESULT 707
                                                 Best_Local_Similarity
RESULT 701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12-MAY-2005.
(WATT/) WATT A T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human PLML #1.
US2003225014-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                              46.5%; Score 214.5; DB 8; Length 116; 54.5%; Pred. No. 1.1e-18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               45.4%; Score 209.5; DB 6; Length 86; 54.0%; Pred. No. 3.1e-18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          86 AA.
No 32.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADO41666 standard; protein; 86 AA.
Novel human polypeptide NOV13a.
US2004018555-A1.
Wovel human polypeptide NOV13b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABJ19333 standard, protein,
NOVX related protein SEQ ID
WO200299062-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MACDOUGALL J R.
TAUPIER R J.
GUO X S.
                                                                                                                                                                                                                                              MACDOUGALL J R.
                                                                                                                                                                                                                                                                                                                                                           MALYANKAR U M.
                                        ANDERSON D W. ZERHUSEN B D.
                                                                                                                                                                                                                                                                                                                                                                                                    (SMIT/) SMITHSON G.
(EDIN/) EDINGER S R.
(MILL/) MILLET I.
(ELLE/) ELLERMAN K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PATTURAJAN M.
SPYTEK K A.
                                                                                                             GERLACH V.
SHIMKETS R A.
                                                                                                                                         GORMAN L.
PENA C E A.
KEKUDA R.
                                                                                                                                                                                     PATTURAJAN M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ANDERSON D W.
ZERHUSEN B D.
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PENA C E A.
KEKUDA R.
                                                                                                                                                                                                                                                          TAUPIER R J.
                                                                                                                                                                                                                                                                                                                HJALT T.
VOSS E Z.
BOLDOG F L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MILLER C E.
SHENOY S G.
HJALT T.
VOSS E Z.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                 CASMAN S J.
                                                                                                                                                                                                                                                                                     MILLER C E. SHENOY S G.
                                                                                                                                                                                                                                                                                                                                                                            PADIGARU M.
                                                                                                                                                                                                  SPYTEK K A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
RESULT 699
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BOLDOG F L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZHONG M.
CASMAN S J.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SMITHSON G.
                                                                                                                                                                                                                   LEITE M W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GERLACH V.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LEITE M W.
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                                                                                   ZHONG M.
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Best Local S
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(JIWW/)
(SMIT/)
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JIWW/)
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ZERH/)
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ZHON/)
(CASM/)
(GERL/)
(SHIM/)
(GORM/)
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TAUP/)
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PENA/)
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RAST/)
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SHEN/)
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BOLD/)
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ADO41668 standard; protein; 116 AA
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                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 46.5%; Score 214.5; DB 2; Length 87; Beet Local Similarity 54.5%; Pred. No. 7.3e-19; RESULT 683
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 214.5; DB 2; Length 87; Pred. No. 7.3e-19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    03-JAN-2003.
(MILL-) MILLENNIUM PHARM INC.
ery Match 46.5%; Score 214.5; DB 6; Length 87;
ery Match anilarity 54.5%; Pred. No. 7.3e-19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 87;
                                                                                          Score 241.5; DB 2; Length 88; Pred. No. 2.8e-22;
                                                                                                                                                                                                                                                           Score 214.5; DB 2; Length 87; Pred. No. 7.3e-19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABJ37036 standard; protein; 87 AA.
Human breast cancer / ovarian cancer related protein #12.
WO2003000012-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABR4467 standard; protein; 87 AA.
Breast cancer associated protein sequence SEQ ID NO:166.
WO2003004989-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 214.5; DB 6;
Pred. No. 7.3e-19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           46.5%; Score 214.5; DB 4; 54.5%; Pred. No. 7.3e-19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              46.5%; Score 214.5; DB 6 54.5%; Pred. No. 7.3e-19;
                                                                                                                                                                                                                                                                                                                   AAY46304 standard; protein; 87 AA.
Human prostate cancer-associated protein 1.
DE19811194-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human EST encoded protein; 87 AA.

ROUNDS EST encoded protein SEQ ID NO: 1487.
00-2177-02.
                                                                                                                                                                                                                                                                                                                                                                          (META-) METAGEN GES GENOMFORSCHUNG MBH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABP76150 standard; protein; 87 AA. Human GENSET protein SEQ ID 476. W02010281898-A1. 24-0CT-2002. (GEST ) GENSET.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABP75985 standard; protein; 87 AA.
Human GENSET protein SEQ ID 192.
WO200283898-A1.
                                                                                                                                               AAR90990 standard; protein; 87 AA.
Human Mat-8 polypeptide.
WO9605322-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAW92959 standard; protein; 87 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            46.5%;
                                                                                                                                                                                                                                                               46.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             46.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16-JAN-2003. (MILL-) MILLENIUM PHARM INC.
                                                                                              52.4%;
                                                                                                                                                                                                       22-FEB-1996.
(GEHO ) GEN HOSPITAL CORP.
(HARD ) HARVARD COLLEGE.
                                                       (GEHO ) GEN HOSPITAL CORP. (HARD ) HARVARD COLLEGE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (ZYMO) ZYMOGENETICS INC.
Mouse Mat-8 polypeptide.
WO9605322-A1.
22-FEB-1996.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human MAT-8 protein.
WO9905276-A1.
                                                                                                                                                                                                                                                                                  Best Local Similarity
                                                                                                             Best Local Similarity RESULT 681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 684
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Best Local Similarity
RESULT 686
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Best Local Similarity
RESULT 689
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Best Local Similarity
RESULT 685
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          02-AUG-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GEST ) GENSET.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                              Query Match
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ADN40040 standard; protein; 87 AA.
Cancer/angiogenesis/fibrosis-related polypeptide, SEQ ID NO:C410.
WO2003042561-A2.
22-MAY-2003.
(EOSB-) EOS BIOTECHNOLOGY INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match

46.5%; Score 214.5; DB 6; Length 116;

Best Local Similarity 54.5%; Pred. No. 1.1e-18;

RESULT 698
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          46.5%; Score 214.5; DB 9; Length 87; 54.5%; Pred. No. 7.3e-19;
                                                                                                                                                                                                                                                                                                                                                                                                                Length 87;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 87;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    87;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 87;
                                                                                                Length 87;
                                                                                                                                                                                                                                                        Length 87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 87,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADK70447 standard; protein; 87 AA.
Respiratory disease differentially expressed protein #13
WO2003101283-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADQ80368 standard; protein; 87 AA.
FXYD domain contaiing ion transport regulator 3 protein.
WO2004063709-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human FXYD domain-containing ion transport regulator 3 WO2005067667-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADZ69596 standard; protein; 87 AA.
Human phospholemman-like protein (PLML) SEQ ID NO:10.
US2005101558-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (BRIM) BRISTOL-MYERS SQUIBB CO.
(BRIM) BRISTOL-MYERS SQUIBB CO.
46.5%; Score 214.5; DB 8;
(ery Match
7.3e-19;
ADB75316 standard; protein; 87 AA.
Prostate cancer marker protein.
W02003009814-A2.
06-FEB-2003.
(MILL-) MILLENNIUM PHARM INC.
RY Match
st Local Similarity 54.5%; Pred. No. 7.3e-19;
                                                                                                                                                                                                                                            vuery Match 46.5%; Score 214.5; DB 7; Best Local Similarity 54.5%; Pred. No. 7.3e-19; RESULT 691
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 214.5; DB 9;
Pred. No. 7.3e-19;
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œ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    46.5%; Score 214.5; DB 9; 54.5%; Pred. No. 7.3e-19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                46.5%; Score 214.5; DB 8 54.5%; Pred. No. 7.3e-19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 214.5; DB 8 Pred. No. 7.3e-19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AED74451 standard, protein, 87 AA.
Human placental protein SEQ ID NO:1279.
US2005255114-A1.
17-NOV-2005.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABJ19334 standard; protein; 116 AA.
NOVX related protein SEQ ID No 34.
WO200299062-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AEB29726 standard; protein; 87 AA.
                                                                                                                                                                                                                                                                                                                   ADI36718 standard; protein; 87 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28-JUL-2005.
(BRIM ) BRISTOL-MYERS SQUIBB CO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   46.5%;
54.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       46.5%;
                                                                                                                                                                                                                                                                                                                                                     US2003225014-A1.
04-DEC-2003.
(ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11-DEC-2003.
(INCY-) INCYTE CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 696
                                                                                            Ouery Match
Best Local Similarity
RESULT 690
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Best Local Similarity
RESULT 693
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (NUVE-) NUVELO INC.
                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 692
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best_Local Similarity RESULT 695
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 697
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12-MAY-2005.
(WATT/) WATT A T.
                                                                                                                                                                                                                                                                                                                                       Human PLML #2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12-DEC-2002
(CURA-) CUR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
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Length 89;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 89;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 89;
                                                                                                                 Length 89;
                                                                                                                                                                                                                                                                                                                                                                              Length 89;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 89;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 452; DB 2; Length 89;
Pred. No. 5.8e-49;
                                ADN37965 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2004091959-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AED50195 ständard, protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2005163766-A1.
28-JUL-2005.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 461; DB 10; 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 461; DB 10; 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 461; DB 9; 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 461; DB 9; 100.0%; Pred. No. 4.2e-50;
   100.0%; Pred. No. 4.2e-50;
                                                                                                               Query Match 100.0%; Score 461; DB 8; Best Local Similarity 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 461; DB 9; 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                              ADY77745 standard; protein; 89 AA.
Neoplastic disease detection protein PRO1069.
                                                                                                                                                                                                                                                                                                                                                                                                                                             Human secreted/transmembrane protein, #143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AEF12576 standard; protein; 89 AA.
Human PRO1069 protein SEQ ID NO:50
US2006008901-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AEF74265 standard; protein; 89 AA.
Human PRO1069 protein SEQ ID NO:50
US2005260647-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAW92958 standard; protein; 89 AA.
Human zsig44 protein.
WO9905276-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                               protein; 89 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   98.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     04-FEB-1999.
(ZYMO ) ZYMOGENETICS INC.
                                                                                                                                                                                                                           EATON D L.
FILVAROFF E.
GERRITSEN M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GODO/) GODOWSKI P J.
(GRIM/) GRIMALDI J C.
(GURN/) GURNEY A L.
(WATA/) WATANABE C K.
(WOOD/) WOOD W L.
                                                                                                  (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                            GODDARD A.
GODOWSKI P J.
GRIMALDI J C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (EATO/) EATON D L.
(FILV/) FILVAROFF E.
(GERR/) GERRITSEN M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                            (GURN/) GURNEY A L.
(WATA/) WATANABE C K.
(WOOD/) WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENÉNTECH INC
Best Local Similarity RESULT 664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 671
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                            AEA38515 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GODDARD A.
                                                                                                                                                                                           US2005059102-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              US2005112725-A1.
                                                                                  13-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26-MAY-2005
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                                                                                                                                                                                                                                                                                                                                                                             Query Match
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                                                                                                                                                                                                                             (EATO/)
(FILV/)
(GERR/)
(GODD/)
(GODO/)
(GRIM/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GERR/)
(GODD/)
                                                                                                                                Best
RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best
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RESULT
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ADN38892 standard; protein; 186 AA.
Cancer/angiogenesis/fibrosis-related polypeptide, SEQ ID NO:210.
WO2003042661-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADN38894 standard; protein; 318 AA.
Cancer/angiogenesis/fibrosis-related polypeptide, SEQ ID NO:212
WO2003042661-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAW92966 standard; protein; 87 AA.
Rat (RIK protein.
W09905276-AL.
04-FEB-1999.
(ZXMO) ZYMOGENETICS INC.
55.6%; Score 256.5; DB 2; Length 87; sty Match
St Local Similarity 61.5%; Pred. No. 3.4e-24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 88;
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                                                                                                                                                                                                                                                                                                                                                                                                                      Length 117;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 186
                                                                                                   Length 89;
                                                                                                                                                                                                                                                            Length 89;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 89;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE05362 standard; protein; 88 AA.
Mouse channel inducing factor precursor (CHIF) protein.
W0200119192-A1.
(5-JUL-2001.
(GENE-) GENESIS RES & DEV CORP LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    698
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABB72374 standard; protein; 88 AA.
Murine protein isolated from skin cells SEQ ID NO:
WO200190357-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ery Match 81.1%; Score 374; DB 7; ery Match 62.3e-38;
                                                                                                     98.0%; Score 452; DB 4; 98.9%; Pred. No. 5.8e-49;
                                                                                                                                                                                                                                                            Score 452; DB 7;
Pred. No. 5.8e-49;
                                                                                                                                                                                                                                                                                                                                                                                                                    98.0%; Score 452; DB 4; 98.9%; Pred. No. 8.3e-49;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PD 21-MAY-2004.
PA (HUMA-) HUMAN GENOME SCI INC.
Query Match 97.0%; Score 447; DB 8;
Best Local Similarity 97.0%; Pred. No. 2.5e-48;
RESULT 675
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22-MAY-2003.
(EOSB-) EOS BIOTECHNOLOGY INC.
ery Match
81.1%; Score 374; DB 7;
ery Match
94.7%; Pred. No. 1.2e-38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENE-) GENESIS RES & DEV CORP LTD.

(GENE-) GENESIS RES & DEV CORP LTD.

60.0%; Score 276.5; DB

ery Match

60.0%; Pred. No. 1e-26;
                                                                                                                                                                                                                                                                                                                   AAM40556 standard; protein; 117 AA.
Human polypeptide SEQ ID NO 5487.
WO200153312-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADP07847 standard; protein; 89 AA. Human secreted protein, seq id 330.WO2004042000-A2.
AAM38770 standard; protein; 89 AA.
Human polypeptide SEQ ID NO 1915.
WO200153312-A1.
                                                                                                                                                                89 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAR90991 standard; protein; 88 AA
                                                                                                                                                          ADK14984 standard; protein; 8 Urinary specific protein #90. W02003657839-A2. 17-UTL-2003. (DIAD-) DIADEXUS INC.
                                                                                                                                                                                                                                                              98.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 676
                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 673
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 677
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                                                                                                                     Best Local Similarity
RESULT 672
                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
RESULT 674
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RESULT 678
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Best Local Similarity
RESULT 679
                                                               26-JUL-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                         26-JUL-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
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25-MAR-2004.
(GETH ) GENENTECH INC.
100.0%; Score 461; DB 8; Length 89;
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                                                                                                                                                                                                                                                                           Length 89;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 89;
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Length 89;
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                                                                                                                                                                                                                                                                                                                                                                                                                   Length 89;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADMAUSS7 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US204048335-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADM36552 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069, US2004053358-A1.
18-MAR-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                         ADH79075 standard, protein, 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003181702-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADK14456 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003187229-A1.
02-0CT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADM31505 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2004048334-A1.
                                                   ADJ98927 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003187242-Al.
                                                                                                                                                                                                                                      25-SEP-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH 100.0%; Score 461; DB 8;
ery Match
ery Match
of Match 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                            02-0CT-2003.
(GETH ) GENENTECH INC.
(ery Match 100.0%; Score 461; DB 8;
ery Match 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 461; DB 8;
Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 461; DB 8;
Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH.) GENENTECH INC.
100.0%; Score 461; DB 8;
ry Match
r Tocal Similarity 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 461; DB 8;
Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 461; DB 8;
Pred. No. 4.2e-50;
 100.0%; Score 461; DB 8; 100.0%; Pred. No. 4.2e-50;
                                                                                                                                       Score 461; DB 8;
Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADJ64609 standard; protein; 89 AA. Human PRO polypeptide #100.
US20040337-A1.
26-FEB-2004.
(GETH ) GENENTECH INC.
100.0%; Score lest Local Similarity 100.0%; Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADM80905 standard; protein; 89 AA.
Human PRO polypeptide #25.
US2004058411-A1.
                                                                                                                                                                                                                                                                                                                               ADK00935 standard; protein; 89 AA.
Human PRO polypeptide #25.
US2003186407-A1.
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02-OCT-2003.
(GETH ) GENENTECH INC.
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RESULT 663
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(GETH ) GENENTECH INC.
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RESULT 656
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Novel human secreted and transmembrane protein PRO1069.
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Novel human secreted and transmembrane protein PRO1069.
US2003181703-A1.
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Novel human secreted and transmembrane protein PRO1069.
US2001186408-A1.
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Novel human secreted and transmembrane protein PRO1069
US2003187197-A1.
                                                                         ADH98932 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003190698-A1.
                                                                                                                                                                                                           AD102162 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003190699-A1.
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Novel human secreted and transmembrane protein PRO1069
US2003181701-A1.
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Novel human secreted and transmembrane protein PRO1069
US2003187228-A1.
                       Score 461; DB 8;
Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human PRO polypeptide #100.
US2004023321-A1.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
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RESULT 651
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(GETH ) GENENTECH INC.
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RESULT 639
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RESULT 640
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Novel human secreted and transmembrane protein PRO1069
US2003180847-A1.
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Novel human secreted and transmembrane protein PRO1069
US2003180099-A1.
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Novel human secreted and transmembrane protein PRO1069
US2003180849-A1.
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Novel human secreted and transmembrane protein PRO1069.
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Novel human secreted and transmembrane protein PRO1069
US2003180862-A1.
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Human secreted/transmembrane protein PRO1069.
US2003224358-A1.
04-DEC-2003.
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US2003219856-Al
                                                                                                         ADH02207 standard; protein; 89 AA.
Human PRO polypeptide #25.
22003180841-A1.
25-SEP-2003.
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Human PRO polypeptide #25.
US2003180840-Al.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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RESULT 629
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PD 25-SEP-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 100.0%; Pred. No. 4.2e-50:
                                                                                                                                                                                                                                                                          ADH24762 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003180908-A1.
25-SEP-2003.
(GETH) GENENTECH INC.
100.0%; Score 461; DB 8; Length
st Local Similarity 100.0%; Pred. No. 4.2e-50;
                                                                                                              ADG86166 standard; protein; 89 AA.

Novel human secreted and transmembrane protein PRO1069.
US2001280863-A1.
25-SED-2003.
(GETH ) GENENTECH INC.
100.0%; Score 461; DB 8; Length st Local Similarity 100.0%; Pred. No. 4.2e-50;
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Novel human secreted and transmembrane protein PRO1069.
US2003180922-A1.
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Novel human secreted and transmembrane protein PRO1069
US2003181642-A1.
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Novel human secreted and transmembrane protein PRO1069.
US2003181700-A1.
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PD 25-SEP-2003.

PA (GETH ) GENENTECH INC.

Query Match
Best Local Similarity 100.0%; Pred. No. 4.2e-50;

RESULT 637
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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25-SEP-2003.
(GETH ) GENENTECH INC.
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25-SEP-2003.
(GETH ) GENENTECH INC.
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Best Local Similarity 100.0%;
RESULT 641
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US2003181683-A1.
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Query Match

Query Match

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DAY 2372 standard; protein; 89 AA.

Novel human secreted and transmembrane protein PRO1069.
US2003180916-A1.
25-SEP-2003.
(GETH ) GENENTECH INC.
EY Match
St. Local Similarity 100.0%; Pred. No. 4.2e-50;
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Novel human secreted and transmembrane protein PRO1069.
US2003180843-A1.
                                                                                                                      Novel human secreted and transmembrane protein PRO1069.
US2001180844-Al.
                                                                                                                                                                                                                                                                            ADH07814 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003180851-A1.
                                                                                                                                                                                                                                                                                                                                                                                                  Novel human secreted and transmembrane protein PRO1069.
US2003180861-Al.
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Pred. No. 4.2e-50;
                                                                                    Score 461; DB 8;
Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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US2003181637-Al.
25-SEP-2003.
ADH33099 standard; protein; 89 AA.
Human PRO polypeptide #100.
10-2003068768-A1.
10-APR-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #25.
25-SEP-2003.
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Human PRO polypeptide #25.
US2003180838-A1.
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PA (GETH ) GENENTECH INC.
Query Match 100.0%;
Best Local Similarity 100.0%;
RESULT 621
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                                                                                 Best Local Similarity 100.0%;
RESULT 619
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PA (GETH ) GENENTECH INC.

QUETY MARCh

Beet Local Similarity 100.0%;

RESULT 620
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RESULT 623
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RESULT 622
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PA (GETH ) GENENTECH INC.

Query Match 100.0%; Score 461; DB 8; Length 89;

Best Local Similarity 100.0%; Pred. No. 4.2e-50;

RESULT 613
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                                                                                                         Length
                   ADG69381 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003180846-A1.
25-SEP-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                             ADH26130 standard, protein, 89 AA.
Novel human serreted and transmembrane protein PRO1069.
US_2003068770-A1.
IO-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADG85486 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003166848-A1.
04-SEP-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADH06280 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003180854-A1.
25-SEP-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADH30110 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003180856-A1.
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Novel human secreted and transmembrane protein PRO1069
US2003180910-A1.
                                                                                                                                                         ADH39202 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003180917-A1.
25-SEP-2003.
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Pred. No. 4.2e-50;
                                                                                        INC.
100.0%; Score 461; DB 8;
y 100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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US2003228656-Al.
11-DEC-2003.
10-DEC-2003.
10-DEC SIMILECH INC.
100.0%; Score 461; DB St Local Similarity 100.0%; Pred. No. 4.2e-
                                                                                                                                                                                                                                                                                                                                                                                                                                ADG83942 standard; protein; 89 AA.
Human PRO polypeptide #25.
US2003180842-Al.
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25-5EP-2003.
(GETH.) GENENTECH INC.
100.0%;
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25-SEP-2003.
(GETH ) GENENTECH INC.
100.0%;
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(GETH ) GENENTECH INC.
100.0%;
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(GETH ) GENENTECH INC.
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Best Local Similarity
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Best Local Similarity
RESULT 612
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Best Local Similarity
RESULT 618
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Query Match

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Novel human secreted and transmembrane protein PRO1069 US2003073813-A1.
                                                                                                                  ADL93734 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003040013-A1.
                                                                                                                                                                                                                                                                   ADC52188 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003130483-A1.
10-JUL-2003.
(GETH ) GENENTECH INC.
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Novel human secreted and transmembrane protein PRO1069
US2003215999-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Auc04433 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003215912-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADG00593 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003215911-Al.
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100.0%; Pred. No. 4.2e-50;
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20-007-2003.
(GETH ) GENENTECH INC.
100.0%; Score 461; DB 8;
                                                                  100.0%; Score 461; DB 7; 100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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                                                                                                                                                                                                                  Score 461; DB 7;
Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                       ADE74137 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
US2003211572-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADE74949 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
US2003211574-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADF35388 standard; protein; 89 AA.
Human PRO1069 polypeptide.
US2003194760-Al.
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Human PRO1069 polypeptide.
US2003228655-A1.
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(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 594
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RESULT 592
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                                      17-APR-2003
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PD 20-..
PA (GETH )
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Pred. No. 4.2e-50;
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Best Local Similarity 100.0%; Pred. No. 4.2e-50; RESULT 600

ID ADH06620 standard; protein; 89 AA.

B MOVEL human secreted and transmembrane protein PR01069. PN US2003180852-A1.

PD 25-SEP-2003.

PA (GETH ) GENENTECH INC.

Query Match

Best Local Similarity 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADH25102 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003180913-A1.
25-SEP-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                              ADH06450 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003180853-A1.
                                                                                                                                                                                                                                                                                                                                                                               ADG68871 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003180855-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADH27761 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003180912-A1.
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Novel human secreted and transmembrane protein PRO1069
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human PRO polypeptide #25.
25-SEP-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADH33734 standard; protein; 89 AA.
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Human PRO polypeptide #100.
US2003215910-A1.
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PN US2003181645-A1.
PD 25-SEP-2003.
PA (GETH ) GENENTECH INC.
Query Match 100.0%; S
Beet Local Similarity 100.0%; PRESULT 606
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25-SEP-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
(Match ''larity 100.0%;
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PA (GETH ) GENENTECH INC.

QUETY MATCh

BEST Local Similarity 100.0%;

RESULT 603
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PA (GETH ) GENENTECH INC.

QUETY MATCh

Best Local Similarity 100.0%;

RESULT 607
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                                                                                                                                                                                                                                                           PD 25-SEP-2003.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 100.0%;
RESULT 602
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25-SEP-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                              Best Local Similarity RESULT 601
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Best Local Similarity 100.0%; Score 461; DB 7; Length 89; RESULT 590 ID ADM30340 others.
ADI04644 standard; protein; 89 AA.

Novel human secreted and transmembrane protein PRO1069.
US200171550-A1.
11-SEP-2003.
(GETH ) GENENTECH INC.
100.0%; Score 461; DB 7; Length
st Local Similarity 100.0%; Pred. No. 4.2e-50;
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Novel human secreted and transmembrane protein PRO1069.
US200181670-A1.
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Novel human secreted and transmembrane protein PRO1069
US2003207396-A1.
                                                                                                                                   ALLUZ/BU Btandard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
0182003181651-A1.
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Novel human secreted and transmembrane protein PRO1069.
US2003181671-A1.
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Novel human secreted and transmembrane protein PRO1069
US2003073821-A1.
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Novel human secreted and transmembrane protein PRO1069
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Novel human secreted and transmembrane protein PRO1069
US2003191287-A1.
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(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
ery Match 100.0%; Score 461; DB 7;
                                                                                                                                                                                                 PD 25-SEP-2003.

PA (GETH) GENENTECH INC.

QUETY MATCH

100.0%; Score 461; DB 7;

RESULT 581

RESULT 582
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(GETH ) GENENTECH INC.
(ery Match 100.0%; Score 461; DB 7;
ery Match 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                    ID ADH78099 standard; protein; 89 AA.

DE Human PRO polypeptide #25.

PU US2003181667-A1.

PD 25-SEP-2003.

PA (GETH) GENENTECH INC.

QUETY Match

Best Local Similarity 100.0%; Pred.

RESULT 584
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25-SEP-2003.
(GETH ) GENENTECH INC.
Werch 100.0%; S'
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17-APR-2003.
(GETH ) GENENTECH INC.
100.0%;
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Best Local Similarity
RESULT 585
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RESULT 586
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RESULT 588
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                                                                                                                      Length
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Novel human secreted and transmembrane protein PRO1069.
US2003181678-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADI01652 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003181679-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADI01822 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003181680-A1.
25-SEP-2003.
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Novel human secreted and transmembrane protein PRO1069.
US2003191289-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADD 19656 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003191288-A1.
                           ADIO5414 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003190716-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADIO5244 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003181677-A1.
                                                                                                                                                                          ADH79486 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003191290-A1.
                                                                                                                                                                                                                                                                                                                             ADI19443 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003181675-A1.
25-SEP-2003.
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Pred. No. 4.2e-50;
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(GETH) GENENTECH INC.
(GETH) GENENTECH INC.
ery Match 100.0%; Score 461; DB 7;
ery Match 100.0%; Pred. No. 4.2e-50;
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09-OCT-2003.
(GETH ) GENENTECH INC.
(ERY Match 100.0%; Score 461; DB 7;
ERY Match 100.0%; Pred. No. 4.2e-50;
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ry Match

100.0%; Score 461; DB 7;

r Local Similarity 100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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09-OCT-2003.
(GETH ) GENENTECH INC.
100.0%;
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09-OCT-2003.
(GETH ) GENENTECH INC.
100.0%;
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25-SEP-2003.
(GETH ) GENENTECH INC.
""-FCh ""-FT 100.0%;
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ry Match 100.0%;
t Local Similarity 100.0%;
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                                                                                                      (GETH ) GENENTECH INC
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Best Local Similarity
RESULT 573
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Best Local Similarity
RESULT 576
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Best Local Similarity
RESULT 577
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RESULT 580
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Best Local Similarity
RESULT 581
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Length 89;

Length 89

Score 461; DB 7; Pred. No. 4.2e-50;

Length 89;

Score 461; DB 7; Pred. No. 4.2e-50;

Query Match

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Query Match

Length 89;

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Score 461; DB 7; Pred. No. 4.2e-50;

Length 89;

Score 461; DB 7; Pred. No. 4.2e-50;

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Query Match

Query Match

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                                        минувири standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2001181709-A1.
                                                                                                                                                                                        ADH98592 standard; protein; 89 AA.
Novel human secreted and transmembrane protein FRO1069.
US2003181708-A1.
25-SEP-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel human secreted and transmembrane protein PRO1069 US2003180848-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADIO3420 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003181654-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADI19613 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
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Novel human secreted and transmembrane protein PRO1069
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Novel human secreted and transmembrane protein PRO1069
US2003181657-A1.
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   100.0%; Score 461; DB 7; 100.0%; Pred. No. 4.2e-50;
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(GETH ) GENENTECH INC.
100.0%; Score 461; DB 7;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Novel human secreted and transmembrane protein
US2003181699-A1.
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25.2RD-1.2.
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                                                                                     US200316...
25-SEP-2003.
(GETH ) GENENTECH INC.
100.0%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
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Query Match
Best Local Similarity
RESULT 554
                                                                                                                                          Query Match
Best Local Similarity
RESULT 555
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559
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RESULT
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Length 89;
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Novel human secreted and transmembrane protein PRO1069.
US2003181655-A1.
25-SEP-2003.
(GETH ) GENENTECH INC
                                                     DI 303
Novel human secreted and transmembrane protein PRO1069.
US2003181653-A1.
25-SEP 2003.
(GETH ) GENENTECH INC.
ery Match
st Local Similarity 100.0%; Pred. No. 4.2e-50;
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Novel human secreted and transmembrane protein PRO1063.
US2003181652-A1.
25-SEP-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                AD497912 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US200181674-A1.
25-5021.
(GETH) GENENTECH INC.
100.0%; Score 461; DB 7; Length st Local Similarity 100.0%; Pred. No. 4.2e-50;
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Novel human secreted and transmembrane protein PRO1069.
US2003190669-A1.
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Novel human secreted and transmembrane protein PRO1069
US2003181650-A1.
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(GETH ) GENENTECH INC.

(GETH ) GENENTECH 100.0%; Score 461; DB 7;

ery Match 100.0%; Pred. No. 4.2e-50;
Best Local Similarity 100.0%; Pred. No. 4.2e-50; RESULT 563
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Pred. No. 4.2e-50;
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                                                                                                                                                                                                                                                                                                                                                                                Score 461; DB 7;
Pred. No. 4.2e-50;
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100.0%; Pred. No. 4.2e-50;
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Human PRO polypeptide #25.
122003181685-AI.
25-SEP-2003.
(GETH) GENENTECH INC.
                                                                                                                                                                                                                                                          ADH77929 standard; protein; 89 AA.
Human PRO polypeptide #25.
US2003181666-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADII1437 standard; protein; 89 AA.
Human PRO polypeptide #25.
US2003181681-A1.
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2003.
GENENTECH INC.
100.0%; S
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25-SEP-2003.
(GETH ) GENENTECH INC.
100.0%;
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(GETH ) GENENTECH INC.
                                                                                                                                                                                                    Best Local Similarity RESULT 564
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RESULT 566
                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 565
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Length 89;

Length 89;

Query Match

Query Match (GETH )

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Score 461; DB 7; Length 89;
Pred. No. 4.2e-50;
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Novel human secreted and transmembrane protein PRO1069.
US200181697-A1.
25-SEP-2003.
(GETH) GENENTECH INC.
6TH) GENENTECH INC.
PTY MATCH
100.0%; Score 461; DB 7; Length
St Local Similarity 100.0%; Pred. No. 4.2e-50;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    лынув422 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003181707-A1.
                                                                                               ADH97742 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003181672-A1.
                                                                                                                                                                                                                                                                                                                                                                AD103590 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003181656-A1.
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Pred. No. 4.2e-50;
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(GETH ) GENENTECH INC.

ry Match 100.0%; Score 461; DB 7;

r Match 100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
                                                     Score 461; DB 7;
Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human PRO polypeptide #25.
82003181684-AI.
25-SEP-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADII1097 standard; protein; 89 AA.
Human PRO polypeptide #25.
US2003181682-A1.
                                                                                                                                                                                                                                             ADI35443 standard; protein; 89 AA.
Human PRO polypeptide #75.
US2003050457-AI.
13-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AD111947 standard; protein; 89 AA. Human PRO polypeptide #25. 222001181686-A1. 25-SEP-2003. (GETH ) GENENTECH INC.
                                                                                                                                        US20031010
25-SEP-2003.
(GETH ) GENENTECH INC.
Warch '707ity 100.0%; SC
   US2003101.
25-SEP-2003.
(GETH ) GENENTECH INC.
"arch '100.0%; S'
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25-SEP-2003.
(GETH ) GENENTECH INC.
MACCh ... 12rity 100.0%;
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25-SEP-2003.
(GETH ) GENENTECH INC.
100.0%;
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RESULT 547
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Best Local Similarity
RESULT 546
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RESULT 552
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RESULT 545
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Best Local Similarity
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RESULT 553
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Novel human secreted and transmembrane protein PRO1069.
US2003181698-A1.
25-SEP-2003.
(GETH ) GENENTECH INC.
ery Match
st Local Similarity 100.0%; Pred. No. 4.2e-50;
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Novel human secreted and transmembrane protein PRO1069
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADH52033 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003181638-A1.
25-SEP-2003.
(GETH) GENENTECH INC.
100.0%; Score 461; DB 7; Length
PRY Match
100.0%; Pred. No. 4.2e-50;
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Novel human secreted and transmembrane protein PRO1069.
US2003181696-A1.
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                                                                                                                                                                                                                                                                ADH57385 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003180920-A1.
C5-SEP-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                       ADH55527 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003181636-A1.
Human secreted and transmembrane protein PRO1069.
US2003181647-A1.
25-SEP-2003.
                                                                                                                                             Human secreted and transmembrane protein PRO1069 US2003181649-A1.
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
                                                                          100.0%; Score 461; DB 7; 100.0%; Pred. No. 4.2e-50;
                                                                                                                             protein; 89 AA.
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25-SEP-2003.
(GETH ) GENENTECH INC.
100.0%; Sc
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25-SEP-2003.
(GETH ) GENENTECH INC.
Warch '7-viey 100.0%; SC
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25-SEP-2003.
(GETH ) GENENTECH INC.
100.0%; //
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25-SEP-2003.
(GETH ) GENENTECH INC.
""PCh 100.0%;
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                                                          (GETH ) GENENTECH INC
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Best Local Similarity
RESULT 543
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Best Local Similarity
RESULT 538
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Best Local Similarity
RESULT 542
                                                                                        Best Local Similarity RESULT 536
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Best Local Similarity
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Query Match

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Query Match

RESULT

Length 89;

Length 89;

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Score 461; DB 7; Pred. No. 4.2e-50;

Length 89;

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Query

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PA (GETH) GENENTECH INC.
Query Match
100.0%; Score 461; DB 7; Length 89;
Best Local Similarity 100.0%; Pred. No. 4.2e-50;
RESULT 535
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADG85656 standard; protein; 89 AA.

Novel human secreted and transmembrane protein PRO1069.
US2001180905-A1.
25-SEP-2003.
(GETH ) GENEWTECH INC.
100.0%; Score 461; DB 7; Length
st Local Similarity 100.0%; Pred. No. 4.2e-50;
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Novel human secreted and transmembrane protein PRO1069.
US2003181643-A1.
25-SEP-2003.
(GETH ) GENENTECH INC.
ery Match
st Local Similarity 100.0%; Pred. No. 4.2e-50;
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Novel human secreted and transmembrane protein PRO1069.
US2001180860-A1.
25-SEP-2003.
(GETH) GENENTECH INC.
100.0%; Score 461; DB 7; Length
ery Match
st Local Similarity 100.0%; Pred. No. 4.2e-50;
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Novel human secreted and transmembrane protein PRO1069.
US2003180906-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel human secreted and transmembrane protein PRO1069.
US2003180914-A1.
ADH37448 standard; protein; 89 AA.
Human secreted and transmembrane protein PRO1069.
US2003181646-A1.
                                                                                                                                                 ADH02037 standard; protein; 89 AA.
Human PRO polypeptide #25.
US2003180837-A1.
25-SEP-2003.
(GETH ) GENENTECH INC.
100.0%; Score 461; DB 7; St Match
100.0%; Pred. No. 4.2e-50;
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Human secreted and transmembrane protein PRO1069
US2003181648-A1.
25-SEP-2003.
                                                                                                                                                                                                                                                                                                                                                                     25-SEP-ZUUS.
(GETH ) GENENTECH INC.
iry Match 100.0%; Score 461; DB 7;
iry Match 100.0%; Pred. No. 4.2e-50;
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Human PRO polypeptide #25.
US2003180794-A1.
25-SEP-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADH37788 standard; protein; 89 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADH24252 standard; protein; 89 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US2003160.2
25-SEP-2003.
(GETH ) GENENTECH INC.
100.0%;
                                   US200316.1.
25-SEP-2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                         Query Match
Best Local Similarity
RESULT 527
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Best Local Similarity
RESULT 530
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RESULT 529
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RESULT 532
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                                                                                                                                                                                                                                                                                                           AUNCAUB2 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US200180918-A1.
                                 ADF95229 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003180795-A1.
25-SEP-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                         Novel human secreted and transmembrane protein PRO1069.
US2001207392-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADH34108 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003180858-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADH29941 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003180859-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADPEZS912 standard, protein, 89 AA.
Novel human secreted and transmembrane protein PRO1069 US2003180919-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADGB5316 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003180904-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           nun4992 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003180907-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25-2203.
25-2203.
(GETH ) GENENTECH INC.
ery Match 100.0%; Score 461; DB 7;
ery Match 100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
100.0%; Pred. No. 4.2e-50;
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                                                                                                                                   100.0%; Score 461; DB 7; 100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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                                                                                                                                                                                                                                                                                                                                                                       US-200-2.
(GETH ) GENENTECH INC.
(ATT) GENENTECH INC.
(ATC) (100.0%;
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(GETH ) GENENTECH INC.
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                                                                                                                                                   Local Similarity
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Best Local Similarity
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Best Local Similarity
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(GETH ) GEN
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Best Local
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Query

Length 89;

Score 461; DB 7; Pred. No. 4.2e-50;

Length 89;

Length 89;

RESULT 525

Query

Query

Length 89,

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06-NOV-2003
(GETH ) GENENTECH INC.
100.0%; Score 461; DB 7; Length 89;
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US2003207399-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADG08608 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003180793-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel human secreted and transmembrane protein PRO1069 US2003207397-A1.
                                                                                                                                                                                                                ADE26785 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003087304-A1.
                                                                                                                                                                                                                                                                                                                                  ADE26252 standard, protein, 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003087305-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADG01055 standard, protein, 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003078387-A1.
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Pred. No. 4.2e-50;
                               100.0%; Score 461; DB 7; 100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human PRO1069 amino acid sequence SEQ ID NO:262.
US2001298148-A1.
26-DEC-2002.
GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
100.0%; Score 461; DB 7; Sty Match |
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Novel human secreted and transmembrane protein
US2003207398-A1.
                                                                      Human PRO polypeptide #75.
US2002132253-A1.
19-SEP-2002.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC. 100.0%;
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(GETH) GENENTECH INC.
100.0%;
it Local Similarity 100.0%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 513
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                                           Best Local Similarity RESULT 508
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADG02668 standard;
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US2003077594-A1.
24-APR-2003.
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               Length 89;
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Novel human secreted and transmembrane protein PRO1069.
US2002193300-A1.
19-DEC-2002.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel human secreted and transmembrane protein PRO1069. 05-JUN-2003.
                                                                                                                                                                                   ADD07561 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2002193299-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADD08632 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003073090-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 461; DB 7;
Pred. No. 4.2e-50;
                 Score 461; DB 7;
Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100
US2003087376-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADD55235 standard; protein; 89 AA.
Human PRO polypeptide #75.
US2003077593-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADD56193 standard; protein; 89 AA.
Human PRO polypeptide #75.
                                                                                                                                                                                                                                                                                                                  ADC82452 standard, protein, 89 AA.
Human PRO polypeptide #75.
US2003059833-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADC83128 standard; protein; 89 AA.
Human PRO polypeptide #75.
US2003059783-A1.
                                                                 ADC81919 standard; protein; 89 AA.
Human PRO polypeptide #75.
US2003083461-A1.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 500
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RESULT 505
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                  Query Match
Best Local Similarity
RESULT 498
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Best Local Similarity
RESULT 502
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RESULT 503
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RESULT 506
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RESULT 501
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Best Local Similarity
RESULT 499
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   10-APR-2003.
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100.0%; Score 461; DB 7; 100.0%; Pred. No. 4.2e-50;
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Mammalian PRO polypeptide (SeqID 50)
US2003065143-Al.
                                                                                                                                                                                                                                                                                                                                                  ADC56395 standard; protein; 89 AA.
Human PRO polypeptide #75.
US2003064375-Al.
                                                          ADC11973 standard; protein; 89 AA
                                                                                                                                                                                                  ADC07006 standard; protein; 89 AA
                                                                                                                                       100.0%;
                                                                                                                                                                                                                     Human PRO1069 protein.
US2003060602-A1.
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Best Local Similarity
RESULT 489
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Query Match
Best Local Similarity
RESULT 488
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Novel human secreted and transmembrane protein PRO1069
US2003083473-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABM31535 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068761-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABM30925 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068771-A1.
                                                                                                                  ABM32145 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068708-A1.
                                                                                                                                                                                                                                                                           ABM12450 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003068713-A1.
                                                          100.0%; Score 461; DB 7; 100.0%; Pred. No. 4.2e-50;
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PA (GETH ) GENENTECH INC.

Query Match

Best Local Similarity 100.0%; Pred. No. 4.2e-50;

RESULT 484
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Human PRO polypeptide #75.
122003027754-A1.
06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADC55106 standard; protein; 89 AA.
Human PRO polypeptide #75.
22003-045463-A1.
06-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                          ADB68302 standard; protein; 89 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADB68109 standard; protein; 89 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human PRO1069 protein.
US2003060600-A1.
27-MAR-2003;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human PRO1069 protein
US2003065161-A1.
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(GETH ) GENENTECH INC
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(GETH ) GENENTECH INC
                    20-MAR-2003.
(GETH ) GENENTECH INC
                                                                                                                                                                                                  (GETH ) GENENTECH INC
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                                                                           Local Similarity
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US2003054472-A1.
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03-APR-2003.
(GETH) GENENTECH INC.
ery Match 100.0%; Score 461; DB 7; Length 89;
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Novel human secreted and transmembrane protein PRO1069.
US2003138882-A1.
24-JUL-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADD08094 standard; protein; 89 AA.

Novel human secreted and transmembrane protein PRO1069.
US2003068623-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADC14883 standard, protein, 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003073208-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AUC14562 Btandard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003082546-A1.
                                                                                                                                                                                             27-MAR-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH 100.0%; Score 461; DB 7;
ery Match 100.0%; Pred. No. 4.2e-50;
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(GETH ) GENENTECH INC.

100.0%; Score 461; DB 7;

17 Match 100.0%; Pred. No. 4.2e-50;
                                                                      Score 461; DB 7;
Pred. No. 4.2e-50;
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Human secreted/transmembrane protein PRO1069.
US2003049681-A1.
13-WAR-2003.
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Human secreted/transmembrane protein PRO1069.
US2003068647-Al.
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Human secreted/transmembrane protein PRO1069.
1052003069403-A1.
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Length 89;

Length 89;

Length 89;

Query Match

Query Match

RESULT 462

Query Match

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ADBB5623 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
                                                                                                                                                                            ID ABM75206 standard; protein; 89 AA.

DE Human secreted polypeptide PRO1069, SEQ ID NO:200.

PN US200310444A1.

PD 05-JUN-2003.

PA (GETH ) GENENTECH INC.

QUETY MARCh 100.0%; Score 461; DB 7; L

BRET Local Similarity 100.0%; Pred. No. 4.2e-50;

RESULT 471
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068762-A1.
                                                                                                                                                                                                                                                                                                                                  ABM33486 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003096357-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABM31840 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003068680-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel human ...
US2003049735-A1.
US2003049735-A1.
13-MAR-2003.
(GET!) GENENTECH INC.
MAtch 100.0%; Score 461; DB 7;
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PA (GETH) GENENTECH INC.

Query Match

Best Local Similarity 100.0%; Pred. No. 4.2e-50;

RESULT 473
RESULT 469

ID AB037416 standard; protein; 89 AA.

DE Human secreted/transmembrane protein (PRO) #100.

PN US2003068726-A1.

PD 10-AFR-2003.

PA (GETH ) GENENTECH INC.

Query Match

100.0%; Score 461; DB 7;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100
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Human secreted/transmembrane protein (PRO) #100
US2003049755-A1.
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Human PRO polypeptide #75.
US2003054403-A1.
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Human PRO polypeptide #100.
US2003049760-A1.
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22-MAY-2003.
(GETH ) GENENTECH INC.
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GENENTECH INC.
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13-MAR-2003:
(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 472
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RESULT 476
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                                             ABM77035 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
2020030546-Al.
20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                      ABM22995 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US20031068757-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABM10315 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068723-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABM21775 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068741-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABM21470 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US20031068744-Al.
10-APR-2003.
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Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003068766-A1.
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10-APR-2003.

(GETH ) GENENTECH INC.

100.0%; Score 461; DB 7;

ery Match 100.0%; Pred. No. 4.2e-50;
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10-APR-2003.
(GETH ) GENENTECH INC.
ery Match 100.0%; Score 461; DB 7;
ery Match 100.0%; Pred. No. 4.2e-50;
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10-APR-2003.
(GETH ) GENENTECH INC.
100.0%; Score 461; DB 7;
ery Match
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Pred. No. 4.2e-50;
                                                                                                                                            100.0%; Score 461; DB 7; 100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100
US2003068694-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABO36806 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
US2003068715-A1.
                                                                                                                                                                                                                                                                                                Score 461; DB 7;
Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100
US2003064459-A1.
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03-APR-2003.
(GETH ) GENENTECH INC.
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(GETH) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 464
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RESULT 463
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RESULT 467
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Query Match

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Query Match Best Local Si RESULT 442

Query Match

Query Match

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(GETH ) GENENTECH INC.
100.0%; Score 461; DB 7; Length 89;
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                                                                                                                                                                     ABR72807 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003036122-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                 ABR85164 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003040065-A1.
27-FEB-2003.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003044928-A1.
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Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003049746-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADA06551 standard; protein; 89 AA.
Human secreted/transmembrane PRO polypeptide #75.
US2003049638-A1.
13-MAR-2003.
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4.2e-50;
Score 461; DB 7;
Pred. No. 4.2e-50;
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4.2e-50;
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4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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4.2e-50;
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Pred. No. 4.2e-50;
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US2003036121-A1.
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US203044919-A1.
06-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABO17279 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
US200040077-A1.
27-FEB-2003.
                                                               Human secreted/transmembrane protein PRO1069.
US2003017982-A1.
23-JAN-2003.
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US2003059782-A1.
                                                                                                                     Score 461;
Pred. No. 4
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Pred. No. 4
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Pred. No. 4
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Pred. No. 4
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                                                  ABO22550 standard; protein; 89 AA
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20-FEB-2003.
(GETH ) GENENTECH INC.
100.0%; Sr
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Best Local Similarity
RESULT 459
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Best Local Similarity
RESULT 450
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Best Local Similarity
RESULT 451
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RESULT 452
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Best Local Similarity
RESULT 453
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Best Local Similarity
RESULT 457
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Best Local Similarity
RESULT 458
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003096358-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABM20250 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003104556-A1.
                                                                                                 ABMI1171 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003064450-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2002068754-Al.
                                                                                                                                                                                                                                                                                                                                                                               ABM14086 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003068683-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABM74596 standard, protein; 89 AA.
Human secreted polypeptide PR01069, SEQ ID NO:200
                                                  100.0%; Score 461; DB 7; 100.0%; Pred. No. 4.2e-50;
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(GETH ) GENENTECH INC.
(Match 100.0%; Score 461; DB 7;
                                                                                                                                                                                     100.0%; Score 461; DB 7; 100.0%; Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (FRO) #100.
US2003049756-A1.
                                                                                                                                                                                                                                                                                                                            100.0%; Score 461; DB 7; 100.0%; Pred. No. 4.2e-50;
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100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                        Human secreted/transmembrane protein (PRO) #100 US2003068731-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human secreted/transmembrane protein (PRO) #100
US2003068681-Al.
                                                                                                                                                                                                                                          ABO31874 standard; protein; 89 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO40161 standard; protein; 89 AA.
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Local Similarity 100.0%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
                                  (GETH ) GENENTECH INC
                                                                                                                                                                     (GETH ) GENENTECH INC
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Best Local Similarity
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 US2003064442-A1.
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Query Match
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Query Match

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Length 89;

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ABR90044 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003073177-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABM27570 standard, protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
                                                                                                                                        Human secreted polypeptide PRO1069, SEQ ID NO:200. US2033040067-A1.
                                                                                                                                                                                                                                                    Human secreted polypeptide PRO1069, SEQ ID NO:2000. US2003054456-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABR93789 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003054457-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABMO1832 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003059883-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABM78255 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003049764-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13-MAK-2005.
(GETH ) GENENTECH INC.
17 Match 100.0%; Score 461; DB 7;
17 Match 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADA22385 standard; protein; 89 AA.
Human secreted/transmembrane polypeptide PRO1069
US2003040473-A1.
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
   100.0%; Score 461; DB 7; 100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 461; DB 7;
Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
                                                                  Human secreted/transmembrane protein PRO1069.
US2003044806-A1.
06-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                             protein; 89 AA.
                                                     protein; 89 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US200.50-
20-MAR-2003.
(GETH) GENENTECH INC.
Match "1-vity 100.0%;
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20-MAR-2003.
(GFTH ) GENENTECH INC.
MATCh '''nrity 100.0%;
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27-MAR-2003.
(GETH ) GENENTECH INC.
MAtch ... 100.0%;
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17-ARP-2003.
(GETH ) GENENTECH INC.
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RESULT 436
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    Query Match
Best Local Similarity
RESULT 431
                                                   ABO53180 standard;
                                                                                                                              Best Local Similarity RESULT 432
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003064444-A1.
03-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                       ABM14391 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068686-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Approved to Standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Abmas 4/06 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
                                                                     100.0%; Score 461; DB 7; 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                             100.0%; Score 461; DB 7; 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          461; DB 7;
No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
                                                                                                                                                                                                  Score 461; DB 7;
Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABO38941 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100.
US2003068774-A1.
10-APR-2003.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 461; DB 7;
Pred. No. 4.2e-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABO04008 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
US2003036158-A1.
                                                                                                                    ABO29434 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100.
US2003068697-A1.
10-APR-2003.
                                                                                                                                                                                                                                                                 Human secreted/transmembrane protein (PRO) #100 US2003068710-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
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Human PRO polypeptide #100.
2200303036151-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein; 89 AA.
                                                                                                                                                                                                                                                 ABO31264 standard; protein; 89 AA.
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10-APR-2003.
(GETH ) GENENTECH INC.
100.0%;
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(GFTH ) GENENTECH INC.
(GFTH) GENENTECH INC. 100.0%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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                                                      (GETH ) GENENTECH INC
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Best Local Similarity
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RESULT 423
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Best Local Similarity
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RESULT 430
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003027273-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABR83129 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003036119-A1.
                                                                                                                                                                                                                                                                                                                                                                                      ABM03052 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068764-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABM19030 standard; protein; 89 AA.
Human secrețed polypeptide PRO1069, SEQ ID NO:200.
US2003104550-A1.
                                                                                                     ABMO5851 standard, protein, 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068717-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABM19335 standard, protein, 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003104551-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Match 100.0%; Score 461; DB 7; Local Similarity 100.0%; Pred. No. 4.2e-50;
                                                   Score 461; DB 7;
Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                   Score 461; DB 7;
Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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                                                                                                                                                                                          100.0%; Score 461; DB 7; 100.0%; Pred. No. 4.2e-50;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABO49047 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
US2003049757-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 461; DB 7; 100.0%; Pred. No. 4.2e-50,
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13-2003049761-A1.
                                                                                                                                                                                                                                        ABO34976 standard; protein; 89 AA. Human PRO polypeptide #100.
US2003068728-Al.
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(GETH ) GENENTECH INC. 100.0%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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                                                   Query Match
Best Local Similarity
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RESULT 404
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Best Local Similarity
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                17-APR-2003
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(GETH ) GEN
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PA (GETH ) GENENTECH INC.
Query Match 100.0%; Score 461; DB 7; Length 89;
Best Local Similarity 100.0%; Pred. No. 4.2e-50;
RESULT 421
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                             HAR74312 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003035161-A1.
20-FEB-2003.
(GETH ) GENENTECH INC.
ery Match
st Local Similarity 100.0%; Pred. No. 4.2e-50;
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
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Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003059882-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABM02137 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003059884-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABR87299 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068687-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABM10620 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003064443-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABM12866 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
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PA (GETH ) GENENTECH INC.

QUECTY MAtch

100.0%; Score 461; DB 7;

Best Local Similarity 100.0%; Pred. No. 4.2e-50;

RESULT 417
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10-APR-2003.

(GETH ) GENENTECH INC.

ery Match 100.0%; Score 461; DB 7;

ery Match 100.0%; Pred. No. 4.2e-50;
                                                                                                             Query Match 100.0%; Score 461; DB 7; Best Local Similarity 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                         Human secreted/transmembrane protein (PRO) #100.005001044921-A1.
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PA (GETH ) GENENTECH INC.

QUEATY MATCh

100.0%; Score 461; DB 7;

Best Local Similarity 100.0%; Pred. No. 4.2e-50;

RESULT 416
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Pred. No. 4.2e-50;
   100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Best Local Similarity RESULT 412
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RESULT 414
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RESULT 415
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Length 89;

Query Match

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ABM12561 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003073176-A1.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003073170-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABR86079 standard, protein, 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003049759-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADMIN'31 Standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US200106455-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABM76730 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003054465-A1.
                                            ABM17873 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003040072-A1.
27-FEB-2003.
                                                                                                                                                                  ABR95924 standard, protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003040073-A1.
27-FEB-2003.
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PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 100.0%; Pred. No. 4.2e-50;
RESULT 399
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03-APR-2003.
(GETH ) GENENTECH INC.
ery Match 100.0%; Score 461; DB 7;
ery Match 100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50
Best Local Similarity 100.0%; Pred. No. 4.2e-50. RESULT 393
                                                                                                                                                                                                                                   Score 461; DB 7;
Pred. No. 4.2e-50,
                                                                                                                                                                                                                                                                                                                                                                                                                                       Human secreted/transmembrane protein (PRO) #100 US2003032124-A1.
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Pred. No. 4.2e-50
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US2003064467-A1.
                                                                                                                Score 461; DB 7;
Pred. No. 4.2e-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABO24330 standard; protein; 89 AA
                                                                                                                                                                                                                                                                                                                                                                                                                             ABO20027 standard; protein; 89 AA
                                                                                                                                                                                                                                                                                       ABO21857 standard; protein; 89 AA
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03-APR-2003.
(GETH ) GENENTECH INC.
Match 100.0%;
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100.0%;
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(GETH ) GENENTECH INC.
Query Match 100.0%;
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Best Local Similarity
RESULT 398
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RESULT 396
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Best Local Similarity
RESULT 395
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Best Local Similarity
RESULT 397
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Human secreted polypeptide PRO1069, SEQ ID NO:2000.
US2003044924-Al.
                                                                                                                 ADA00381 standard; protein; 89 AA.
Human secreted/transmembrane polypeptide PRO 1069.
US20033027992-A1.
06-FEB-2003.
                                                                                                                                                                                                                                                       ABM26960 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
10-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                       ABM03357 standard; protein; 89 AA.
Human secreted polypeptide PR01069, SEQ ID NO:200.
US2003068763-A1.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US20030472-A1.
06-MAR-2003.
                                                                100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US2003049780-A1.
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Pred. No. 4.2e-50;
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US2003036126-A1.
20-FEB-2003.
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100
US2003068689-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein; 89 AA.
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13-MAR-2003.

(GETH ) GENENTECH INC.

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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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                                                (GETH ) GENENTECH INC
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Best Local Similarity
RESULT 385
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Best Local Similarity
SULT 390
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Best Local Similarity
RESULT 389
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                                                                                Local Similarity
                US2003068720-A1.
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Length 89;

Query Match

Query Match

Query Match

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Length 89;

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Query Match

Query Match

Query Match

Length 89;

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Length 89;

Best Loca RESULT 367

Length 89;

Length 89;

Length 89;

Length 89;

RESULT 365

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ABM66739 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068688-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABM19640 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003104552-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABR88214 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human secretary 13.000 of 
                                                                                                                                                                                                      ID ABO38026 standard; protein; 89 AA.

DE Human secreted/transmembrane protein (PRO) #100.

DE Human secreted/transmembrane protein (PRO) #100.

PP US2003068765-A1.

PD 10-APR-2003.

PP (GETH) GENENTECH INC.

Query Match

Best Local Similarity 100.0%; Pred. No. 4.2e-50; RESULT 376
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABO45936 standard; protein; 89 AA.

Human PRO polypeptide #100.
US2003049754-A1.
13-MAR-2003.
(GETH ) GENENTECH INC.
ery Match
EL Local Similarity 100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US2003073181-A1.
ABO42296 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100.
US2003049748-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ID ADB20312 standard; protein; 89 AA.
DE Human secreted/transmembrane protein (PRO) #100.
PD US203082767-A1.
PD 01-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 461; DB 6;
Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABO49352 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
US2003049774-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABO49657 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 461;
Pred. No. 4
                                                                                                                                              Score 461;
Pred. No. 4
                                                        US20030-13-MAR-2003.
(GETH) GENENÜECH INC.
(GETH) GENENÜECH INC.
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10-APR-2003.
(GETH ) GENENTECH INC.
100.0%;
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13-MAR-2003.
(GETH ) GENENTECH INC.
100.0%;
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17-APR-2003.
(GETH ) GENENTECH INC.
100.0%;
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PA (GETH ) GENENTECH INC.

QUETY MAtch 100.0%;

Best Local Similarity 100.0%;
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Best Local Similarity
RESULT 378
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                                                                                                                                                                     Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 89;
                          ABM11341 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003064469-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABM27265 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068760-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABMO5546 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003045700-A1.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068698-A1.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068759-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABM30010 standard; protein; 89 AA.
Human secreted polypeptide PR01069, SEQ ID NO:200
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03-APR-2003.
(GETH ) GENENTECH INC.
ery Match 100.0%; Score 461; DB 6;
ery Match 100.0%; Pred. No. 4.2e-50;
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Query Match

Best Local Similarity 100.0%; Pred. No. 4.2e-50;

RESULT 368
                                                                                                                                                                     Query Match 100.0%; Score 461; DB 6;
Best Local Similarity 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABO30959 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100.
US2003064468-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human secreted/transmembrane protein (PRO) #100
US2003064466-A1.
                                                                                                                                                                                                                                       Human PRO polypeptide #100.
US20364453-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABO30654 standard; protein; 89 AA.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
                                                                                                                03-APR-2003.
(GETH ) GENENTECH INC
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RESULT 371
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Best Local Similarity
RESULT 374
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Query

Length 89;

Length 89;

(GETH )

RESULT 372

RESULT 373

Query

Length 89;

; DB 6; 4.2e-50;

Length 89;

Length 89;

Length 89;

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Score 461; DB 6; Length 89;
Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
1922003039999-Al.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003049738-A1.
13-MAR-2003.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003054467-A1.
                                                                                                                                                                                                                                                                                                                                                                                                ABMI8178 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003054469-A1.
                                                                                                                                      ABR76511 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003044932-A1.
                                                                                                                                                                                                                                                                   ABR73112 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US200302770-A1.
06-FEB-2003.
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Pred. No. 4.2e-50;
                                                                              Score 461; DB 6;
Pred. No. 4.2e-50;
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Best Local Similarity 100.0%; Pred. No. 4.2e-50;
RESULT 357
                                                                                                                                                                                                                                                                                                                                          Ouery Match 100.0%; Score 461; DB 6; Best Local Similarity 100.0%; Pred. No. 4.2e-50; RESULT 358
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABO20637 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
US2003032126-A1.
13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human secreted/transmembrane protein PRO1069.
US2003060407-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABO25685 standard; protein; 89 AA.
Human PRO polypeptide #100.
202003054466-A1.
20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AB025380 standard; protein; 89 AA.
Human PRO polypeptide #100.
US2003054463-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADA92824 standard; protein; 89 AA
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20-MAR-2003.
(GETH ) GENENTECH INC.
100.0%;
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27-WAR-2003.
(GETH ) GENENTECH INC.
-- MAtch ''.vity 100.0%;
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100.0%;
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(GETH ) GENENTECH INC.
                                                               GENENTECH INC
                                                                           Query Match
Best Local Similarity
RESULT 356
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                                                                                                                                                                                                Length 89;
                                              100.0%; Score 461; DB 6; Length 89; 100.0%; Pred. No. 4.2e-50;
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                                                                                                ABM19945 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003104554-A1.
OS-JUN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABR71587 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003032133-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABR72197 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003032136-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABR98536 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US20031036129-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABR84859 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003040057-A1.
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100
US2003040053-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADA83269 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
US2003049752-A1.
                                                                                                                                                                                                                                                    ABO46851 standard; protein; 89 AA.
Human PRO polypeptide #100.
UZ2003049762-A1.
13-PMR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                      protein; 89 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABR73417 standard; protein; 89 AA.
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US2003049765-A1.
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(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 355
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Best Local Similarity
RESULT 351
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Best Local Similarity
RESULT 352
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Best Local Similarity
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Best Local Similarity
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           US2003104541-A1.
                            05-JUN-2003.
Query Match
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Length 89;

Length 89;

Length 89;

RESULT 353

RESULT

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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003040078-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABR96901 standard; protein; 89 AA.
Human secreted polypeptide PR01069, SEQ ID NO:200.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABR79696 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003040059-A1.
                                                        100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
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                                                                                                                                                                                                                                                                                                                                                                                                                                    ABO50572 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100.
US2003049779-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US203032132-A1.
13-FEB-2003.
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Human secreted/transmembrane protein PRO1069.
US2003059780-A1.
                                                                                                                ABO51487 standard; protein; 89 AA.
Human PRO polypeptide #100.
US2003049766-A1.
                                                                                                                                                                                                                                                                ABO51792 standard; protein; 89 AA.
Human PRO polypeptide #100.
US2003049767-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABO17990 standard; protein; 89 AA
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(GETH ) GENENTECH INC.
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20-MAR-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
                13-MAR-2003.
(GETH ) GENENTECH INC
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Best Local Similarity
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Best Local Similarity
RESULT 334
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Best Local Similarity
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Best Local Similarity
RESULT 333
                                                                        Local Similarity
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Best Local Similarity
RESULT 329
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US2003049750-A1.
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Length 89;
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ABM12256 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003064445-A1.
03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                     ABM16348 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003064449-A1.
                                                                                                                                                                                                                                                                            ABM24215 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003064441-A1.
                                                                                                                                                                                                                                                                                                                                                                                                   ABM14696 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US20031068696-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABMO4577 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068712-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABM06766 standard; protein; 89 AA.

Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068730-A1.
10-APR-2003.

(GETH) GENENTECH INC.

100.0%; Score 461; DB 6; I st Local Similarity 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABM09206 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003073174-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABM75511 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003104545-A1.
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Human secreted polypeptide PRO1069, SEQ ID NO:200
                                                                                    , DB 6;
4.2e-50;
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(GETH) GENENTECH INC.
(ery Match 100.0%; Score 461; DB 6;
ery match 100.0%; Pred. No. 4.2e-50;
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4.2e-50;
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4.2e-50;
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10.78F-2003.

(GETH ) GENENTECH INC.

100.0%; Score 461; DB 6;

100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100
US2003068775-A1.
                                                                                      Score 461;
Pred. No. 4
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Pred. No. 4
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Pred. No. 4
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Pred. No. 4
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03-APR-2003.
(GFTH ) GENENTECH INC.
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10-APR-2003.
(GETH ) GENENTECH INC.
100.0%;
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(GETH) GENENTECH INC.
100.0%;
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Best Local Similarity
RESULT 340
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RESULT 342
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Best Local Similarity
RESULT 338
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Query Match
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RESULT 321
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Human secreted polypeptide PRO1069, SEQ ID NO:2000.
US203049744-A1.
13-MAR-2003.
(GETH) GENENTECH INC.
100.0%; Score 461; DB 6; I st Local Similarity 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABR89739 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003073171-A1.
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Human secreted polypeptide PRO1069, SEQ ID NO:2000.
13 Profession 121-A1.
                                                                                                                                                                                                                                                                                              ABR92569 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003064446-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABM77950 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003049783-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABM13781 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
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Pred. No. 4.2e-50;
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ry Match

rocal Similarity 100.0%; Pred. No. 4.2e-50;
           100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                              Score 461; DB 6;
Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100
US2003064460-A1.
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Pred. No. 4.2e-50;
                                                                                                                      Score 461; DB 6;
Pred. No. 4.2e-50;
                                                  Human PRO polypeptide #100.
                                                                                                                                                            Human PRO polypeptide #100.
20.2003054461-A1.
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20-MAR-2003.
(GETH ) GENENTECH INC.
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03-APR-2003.
(GETH ) GENENTECH INC.
100.0%; /
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13-MAR-2003.
(GETH ) GENENTECH INC.
100.0%;
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03-APR-2003.
(GETH ) GENENTECH INC.
100.0%;
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RESULT 316
ID AB028519 standard; pt
DE Human secreted/transm
PN US2003064460-A1.
PD 03-APR-2003.
PA (GETH ) GENENTECH INC
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Best Local Similarity
RESULT 310
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Best Local Similarity
RESULT 317
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             Query Match
Best Local Similarity
RESULT 308
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Best Local Similarity
RESULT 309
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                                                                                                         06-FEB-2003.
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06-MAR-2003.
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Length 89;
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                                                                                                                                                 ABM07376 standard; protein; 89 AA.

Human secreted polypeptide PRO1069, SEQ ID NO:2000.
US2003068702-A1.
10-APR-2003.
(GETH) GENENTECH INC.
100.0%; Score 461; DB 6; L
ir Local Similarity 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                             ABM03967 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068734-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ĀBMZ5130 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003104540-Al.
05-JUN-2003.
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10-APR-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC. $ SCORE 461; DB 6;
ery Match 100.0%; Pred. No. 4.2e-50;
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(GETH ) GENENTECH INC.
100.0%; Score 461; DB 6;
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Pred. No. 4.2e-50;
                                                     03-APR-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH 100.0%; Score 461; DB 6;
ery Match 100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US2003049742-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABO47827 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
US2003049747-A1.
                                                                                                                                                                                                                                                                                                                                                                                                            Score 461; DB 6;
Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100
US2003068729-A1.
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Human secreted/transmembrane protein (PRO) #100
ABO30349 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100.
US2003064464-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO35281 standard; protein; 89 AA.
Human PRO polypeptide #100.
US2003068738-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABO37111 standard; protein; 89 AA
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10-APR-2003.
(GETH ) GENENTECH INC.
100.0%;
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13.MRA-2003.
(GETH ) GENENTECH INC.
100.0%;
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PA (GETH) GENENTECH INC.
QUENTY MATCh 100.0%;
Best Local Similarity 100.0%;
RESULT 320
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10-APR-2003.
(GETH ) GENENTECH INC.
100.0%;
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RESULT 324
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RESULT 325
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RESULT 319
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Best Local Similarity
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Best Loca RESULT 290

RESULT 291 Query

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Best Local Similarity RESULT 301
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RESULT 304
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Best Local Similarity
RESULT 303
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                                                                      Best Local Similarity
RESULT 299
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   Length 89;
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Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                             Length 89;
                                                                                                                                                                                                                                                                                                                                   ADA20084 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003073172-A1.
17-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABO34191 standard; protein; 89 AA.
Human secreted/transmembrane polypeptide PRO 1069.
US2003060601-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABR96596 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003054460-A1.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003049763-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABR85774 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003049753-A1.
Score 461; DB 6;
Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 461; DB 6;
100.0%; Pred. No. 4.2e-50;
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                                                                                                                                                                                  ABO22162 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100.
US2003054477-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
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                                                                        Human secreted/transmembrane protein (PRO) #100 US2003054454-A1.
                                                                                                                              100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50
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Human secreted/transmembrane protein PRO1069.
US2003059832-A1.
                                                       ABO21247 standard; protein; 89 AA
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 100.0%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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Query Match
Best Local Similarity
RESULT 289
                                                                                                                            Query Match
Best Local Similarity
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Best Loca RESULT 293

Query

Query Best

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Length 89;
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003104557-A1.
05-JUN-2003.
(GETH) GENENTECH INC.
100.0%; Score 461; DB 6; I st Local Similarity 100.0%; Pred. No. 4.2e-50;
ABM00307 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003073172-A1.
                                                                                                                                                                                                                                                                                                     ABM22605 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003068736-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABM29400 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003068679-A1.
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10-APR-2003.
(GETH ) GENENTECH INC.
ery Match 100.0%; Score 461; DB 6;
ery Match 100.0%; Pred. No. 4.2e-50;
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4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US2003092121-A1.
15-MAY-2003.
(GETH ) GENENTECH INC.
100.0%; Score 461; DB 6;
EL Local Similarity 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABO18295 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100.
US2003044920-A1.
                                                                                                                                                                                                                                              Score 461; DB 6;
Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human secreted/transmembrane protein (PRO) #100.
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                                                                                100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
                                                                                                                                          ABO29739 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100.
US2003068700-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABO38331 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
US2003068767-A1.
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10-ARR-2003.
(GETH ) GENENTECH INC.
100.0%; SCOIE 461;
orv Match 100.0%; Pred. No. 4
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Pred. No. 4
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Human PRO polypeptide #100.
US2003073182-A1.
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10-APR-2003.
(GETH ) GENENTECH INC.
100.0%;
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10-APR-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
Match :: 100.0%;
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17-APR-2003.
(GFTH ) GENENTECH INC.
100.0%;
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Best Local Similarity RESULT 280
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Best Local Similarity
RESULT 283
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Best Local Similarity
RESULT 284
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      Length 89;
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003049758-A1.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003049772-A1.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003064448-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABM29705 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003064456-Al.
                                                                                                                                                        ABR96291 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003054458-A1.
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US2003068693-A1.
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
                                                ADA79744 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
US2003073173-A1.
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Human secreted polypeptide PRO1069,
US2003068735-A1.
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03-APR-2003.
(GETH ) GENENTECH INC.
100.0%; SC
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13-MAR-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 274
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Best Local Similarity
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Best Local Similarity
RESULT 279
Query Match
Best Local Similarity
RESULT 270
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                                                                                               17-APR-2003.
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RESULT

RESULT 273

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Length 89;
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003096359-A1.
ABM23300 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
10-APR-2003.
(GETH ) GENENTECH INC.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003100061-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABM28485 standard; protein; 89 AA.
Human secreted polypeptide PR01069, SEQ ID NO:200. US2003082715-A1.
01-MAY-2003.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003082716-A1.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068737-A1.
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Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003104547-A1.
                                                                                                                                                 ABM22080 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
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(GETH ) GENENTECH INC.
(ery Match 100.0%; Score 461; DB 6;
ery Match 100.0%; Pred. No. 4.2e-50;
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(GETH) GENENTECH INC.
(ery Match 100.0%; Score 461; DB 6;
ery Match 100.0%; Pred. No. 4.2e-50;
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(GETH ) GENENTECH INC.
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:ry Match 100.0%; Score 461; DB 6;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US2003032125-A1.
                                                                                              100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US2003068756-A1.
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50
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10-APR-2003.
(GETH ) GENENTECH INC.
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10-APR-2003.
(GTH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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Human secreted polypeptide PRO1069, SEQ ID NO:200
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RESULT 265
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                                                                    Best Local Similarity RESULT 261
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                 US2003073169-A1.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003059885-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABM18483 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003054480-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABR80611 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003049740-A1.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003049770-A1.
                   100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
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(GETH ) GENENTECH INC.
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                                                                                                                                                                                                           Human secreted/transmembrane protein (PRO) #100.
US2003040055-Al.
                                                                                                                                                                                                                                                                                                    100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US2003040074-A1.
27-FEB-2003.
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                                                                                          Human secreted/transmembrane protein (PRO) #100 US2003049777-A1.
                                                                                                                                                                                                                                                                                                                                                         ABOO4313 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100.
US2003036164-A1.
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Human secreted/transmembrane protein PRO1069.
                                                                          ABO50267 standard; protein; 89 AA
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   (GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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RESULT 260
                   Query Match
Best Local Similarity
RESULT 251
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Best Local Similarity
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Length 89;
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Length 89,
                                                                                                                ABMI3476 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
VS20033064457-Al.
03-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABM10121 standard, protein, 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003067478-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABM32876 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003073185-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABM22690 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003087373-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABM74901 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003096353-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                      ABM20860 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003068711-A1.
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PA (GETH ) GENENTECH INC.

QUECY MATCH

BEST Local Similarity 100.0%; Pred. No. 4.2e-50;

RESULT 26.
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(GETH ) GENENTECH INC.

ery Match 100.0%; Score 461; DB 6;

ery Match 100.0%; Pred. No. 4.2e-50;
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                                                                                                                                                                                                                                                                                        Query Match 100.0%; Score 461; DB 6; Best Local Similarity 100.0%; Pred. No. 4.2e-50; RESULT 262
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
461; DB 6;
No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US2003068773-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABO41991 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
US2003049745-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABO42601 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
US2003049751-A1.
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Pred. No. 4.2e-50
    Score
Pred.
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10-APR-2003.
(GETH ) GENENTECH INC.
100.0%; S'
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102-APR-2003.

(GETH ) GENENTECH INC.

100.0%;
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PA (GETH ) GENENTECH INC.

QUETY MATCH 100.0%;

Best Local Similarity 100.0%;

RESULT 266
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Query Match

Query Match

Query Match

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ABO52707 standard; protein; 89 AA.
Human PRO polypeptide #100.
US2003049773-A1.
13-MAR-2003.
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10-APR-2003.
(GETH ) GENENTECH INC.
The Match 100.0%;
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PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 100.0%;
RESULT 244
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PA (GETH ) GENENTECH INC.

QUETY MATCH 100.0%;

Best Local Similarity 100.0%;

RESULT 243
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
               10-APR-2003.
(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 247
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Best Local Similarity
RESULT 249
                                                                Best Local Similarity RESULT 242
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US2003068733-A1.
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                                                    Query Match
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RESULT 248
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                                                                                                             Length 89;
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Noval human secreted and transmembrane protein PRO1069
US2003069394-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABR97206 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003054481-A1.
20-MAR-2003.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
13 Mar. 2010.
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Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003049782-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABM28180 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003054476-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PD 13-MAR-2003.
PA (GETH ) GENENTECH INC.
QUETY MATCh
Best Local Similarity 100.0%; Pred. No. 4.2e-50;
RESULT 240
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(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
ery Match
100.0%; Score 461; DB 6;
ery Match
100.0%; Pred. No. 4.2e-50;
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100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100
                                                                                                                                                                                                                                                                                                           ABO23720 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
US20033032134-A1.
13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                      ADB17295 standard; protein; 89 AA.
Human transmembrane PRO polypeptide (SegID 50)
US2003050465-A1.
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Pred.
                ABO52402 standard; protein; 89 AA.
Human PRO polypeptide #100.
US2003049771-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADA17790 standard; protein; 89 AA.
Human PRO1069 polypeptide.
US2003054987-Al.
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13-MAR-2003.
(GETH ) GENENTECH INC.
"...ch 100.0%;
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(GETH ) GENENTECH INC.
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                                                                         13-MAR-2003.
(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 238
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Best Local Similarity
RESULT 239
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RESULT 241
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100.0%; Score 461; DB 6; Length 89; 100.0%; Pred. No. 4.2e-50;
Length 89;
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068751-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABM31181 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003087374-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                       ABMO4272 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003068716-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABM22385 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068740-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABM35418 standard, protein, 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003073179-A1.
                                                             ABMI5306 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003068692-A1.
                                                                                                                                                                                                                                                      ABM06461 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003068709-A1.
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10-APR-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH 100.0%; Score 461; DB 6;
ery Match 100.0%; Pred. No. 4.2e-50;
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17-AER-2003.
(GETH ) GENENTECH INC.
ery Match 100.0%; Score 461; DB 6;
ery Match 100.0%; Pred. No. 4.2e-50;
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Beet Local Similarity 100.0%; Pred. No. 4.2e-50,
RESULT 246
                                                                                                                                                                                                                                                                                                                                                                     Score 461; DB 6;
Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Best Local Similarity 100.0%; Pred. No. 4.2e-50; RESULT 223
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RESULT 230
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(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 225
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Best Local Similarity
RESULT 229
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Best Local Similarity
RESULT 231
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RESULT 224
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RESULT 228
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                        ABR71282 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003059880-A1.
                                                                                                                      ABR94399 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003044917-A1.
                                                                                                                                                                                                                                                       ABR75906 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003044929-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABRO3179 stándard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003064465-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABR87909 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068718-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABR3484 stándard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003054478-A1.
                                                               100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100
US2003064454-A1.
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Best Local Similarity 100.0%; Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100
US2003064461-A1.
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Human secreted/transmembrane protein, PRO1069.
US2003059831-A1.
27-MAR-2003.
                                                                                                                                                                                                461;
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03-APR-2003.
(GETH ) GENENTECH INC.
100.0%; Score 461;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
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         US2003054470-A1.
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RESULT 217
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Length 89;
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                                                                                                                                      ABMU4941 standard; protein; 89 AA.
Human secreted polypeptide PR01069, SEQ ID NO:200.
US2003068727-A1.
                                                                                                                                                                                                                                                                                 ABM06901 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068772-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABM11951 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003104555-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABMI0426 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003069407-A1.
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4.2e-50;
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13-MAR-2003.
(GETH ) GENENTECH INC.
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LETY MATCh 100.0%; Pred. No. 4.2e-50;
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(GETH) GENENTECH INC.
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US2003068714-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABO39551 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
US2003068776-A1.
SULT 223
AB033253 standard; protein; 89 AA.
Human PRO polypeptide #100.
1 US2003068724-A1.
D 10-APR-2003.
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Pred. No. 4
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Human PRO polypeptide #100.
US2003068758-A1.
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Human PRO polypeptide #100.
US2003049768-A1.
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10-APRZ 2003.
(GETH ) GENENTECH INC.
100.0%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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Length 89;

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RESULT 197

Length 89;

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ABR90654 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003036130-A1.
20-FEB-2003.
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Human secreted polypeptide PRO1069, SEQ ID NO:2000.
US2003104548-A1.
05-JUN-2003.
(GETH) GENENTECH INC.
ery Match
st. Local Similarity 100.0%; Score 461; DB 6; I st. Local Similarity 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                            ABM26045 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003104543-A1.
05-JUN-2003.
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                                                                                                                                                                                                                               ABM25740 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003104542-A1.
05-JUN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADA21459 standard; protein; 89 AA.
Human secreted/transmembrane polypeptide PRO1069.
US2003054404-A1.
20-MAR-2003.
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(GETH) GENENTECH INC.
12Y Match
177-0-1 Similarity 100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100
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Human secreted/transmembrane protein (PRO) #100.
US2003336127-A1.
20-FEB-2003.
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No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100
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Pred.
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Best Local Similarity
RESULT 207
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RESULT 210
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RESULT 204
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27-FEB-2003.
US2003082717-A1.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068707-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABMO9511 standard, protein, 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003073175-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABM76425 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
                                                                                                                                                                                                                                   Best Local Similarity 100.0%; Pred. No. 4.2e-50; RESULT 196
ID ABM29095 standard; protein; 89 AA.
DE Human secreted polypeptide PRO1069, SEQ ID NO:200.
PN US2003068721-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                    ABM07071 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003068699-A1.
 Human secreted polypeptide PRO1069, SEQ ID NO:200
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10-ASR-2003.
(GETH ) GENENTECH INC.
ery Match 100.0%; Score 461; DB 6;
ery Match 100.0%; Pred. No. 4.2e-50;
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(GETH ) GENENTECH INC.
ery Match 100.0%; Score 461; DB 6;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100
US2003068695-A1.
                                                                                                                              ABO27604 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
US2003064451-A1.
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US2003068732-A1.
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10.200306703-A1.
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(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 201
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RESULT 202
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RESULT 195
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                      US2003064463-A1.
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Length 89;

RESULT 178

RESULT 179

Query

Length 89;

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ABM03662 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068722-A1.
                                                                                                                                                    ABM35113 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US200303183-A1.
17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                         ABM26350 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003104549-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABR92874 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003064462-A1.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003073184-A1.
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Human secreted polypeptide PR01069, SEQ ID NO:200
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03-APR-2003.
(GETH ) GENENTECH INC.
ery Match 100.0%; Score 461; DB 6;
ery Match 100.0%; Pred. No. 4.2e-50;
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PD 09-JAN-2003.

PA (GETH ) GENENTECH INC.
QUETY MAtch
Best Local Similarity 100.0%; Pred. No. 4.2e-50;
                                                                                               Score 461; DB 6;
Pred. No. 4.2e-50;
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Query Match 100.0%; Score 461; DB 6;
Best Local Similarity 100.0%; Pred. No. 4.2e-50;
RESULT 194
                                                                                                                                                                                                                                             Query Match 100.0%; Score 461; DB 6; Best Local Similarity 100.0%; Pred. No. 4.2e-50;
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A (GETH) GENBNTECH INC.
D00ery Watch
D00.0%; Score 461; DB 6;
Best Local Similarity 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABO24635 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100.
US2003065159-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 461; DB 6;
Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human secreted/transmembrane protein (PRO) #100 US2003049749-A1.
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Human secreted/transmembrane protein PRO1069.
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Pred. No. 4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABO48132 standard; protein; 89 AA
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03-APR-2003.
(GETH ) GENENTECH INC.
****Ch 100.0%; S'
                                                                         GENENTECH INC.
th 100.0%;
Similarity 100.0%;
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A (GETH) GENENTECH INC.

QUETY MATCH 100.0%;

BEST LOCAL Similarity 100.0%;
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(GETH ) GENENTECH INC.
                                                                                               Match
Local Similarity
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                                                             10-APR-2003
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     Score 461; DB 6; Length 89;
Pred. No. 4.2e-50;
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                                 Human secreted polypeptide PRO1069, SEQ ID NO:200.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABR§ 7816 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003064452-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABM77645 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003054473-A1.
                                                                                                                                                                          Human secreted polypeptide PRO1069, SEQ ID NO:2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABR87604 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068705-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABM27875 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003064440-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABM06156 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068704-Al.
                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
                                                                                                                                    Score 461; DB 6;
Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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                                                                                                                                                                                                                                                                                       Score 461; DB 6;
Pred. No. 4.2e-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABO21552 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
US2003054471-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 461; DB 6;
Pred. No. 4.2e-50
                                                                                                                                                                                                                                                                                                                                                                  Human transmembrane PRO polypeptide (SeqID 50) US2003050462-A1.
                                                                                                                                                                                                                                                                                                                                              ADB17107 standard; protein; 89 AA
                                                                                                                                    100.08;
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27-FEB-2003.
(GETH ) GENENTECH INC.
100.0%;
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20-MAR-2003.
(GETH ) GENENTECH INC.
100.0%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 177
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Best Local Similarity
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Query Match
Best Local Similarity
RESULT 176
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Best Local Similarity
RESULT 185
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RESULT 182

RESULT 183

RESULT

Length 89;

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Length 89;

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Query Match

Query Match

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US200500.
10-APR-2003.
(GETH ) GENENTECH INC.
Match 'Tarity 100.0%;
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10-APR-2003.
(GETH ) GENENTECH INC.
"Match '13rity 100.0%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
                                                               Query Match
Best Local Similarity
RESULT 167
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ID ABO40466 standard;
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003068743-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human secreted polypeptide PRO1069, SEQ ID NO:2000.
                                                                                                                                                    ABR74027 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:2000.
US20030356135-Al.
20-FEB-2003.
                                                                                                                                                                                                                                                                    ABROGGI9 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003054455-A1.
                                                                                                                                                                                                                                                                                                                                                                                                       ABR80916 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003049741-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABREG1221 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003049743-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABMO0917 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003049769-A1.
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20-MAR-2003.
(GEH) GENENTECH INC.
ery Match
100.0%; Score 461; DB 6;
ery Match
100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US2003068685-A1.
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     100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
                               ABO05638 standard, protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
US2003032118-A1.
13-FEB-2003.
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13-MAR-2003.
(GETH ) GENENTECH INC.
100.0%; f
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13-MAR-2003.
(GETH ) GENENTECH INC.
100.0%; (
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(GETH ) GENENTECH INC.
100.0%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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RESULT 160
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Best Local Similarity
RESULT 161
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Best Local Similarity
RESULT 162
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Best Local Similarity
RESULT 163
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Best Local Similarity
RESULT 157
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RESULT 158
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Best Local Similarity
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0 E

Query Match

PN PN

RESULT 164

Query Match

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17-APR-2003.
(GETH) GENENTECH INC.
Query Match
100.0%; Score 461; DB 6; Length 89;
Best Local Similarity 100.0%; Pred. No. 4.2e-50;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABR90349 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:2000.
US2003040075-A1.
                                                                                                                                                    ABM07986 standard; protein; 89 AA.
Human secreted polypeptide PR01069, SEQ ID NO:2000.
US2003068752-A1.
10-APR-2003.
(GETH ) GENENTECH INC.
100.0%; Score 461; DB 6; Inc.
St. Local Similarity 100.0%; Pred. No. 4.2e-50;
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Human secreted polypeptide PRO1069, SEQ ID NO:2000 US2003104539-A1.
05-JUN-2003.
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Pred. No. 4.2e-50;
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Best Local Similarity 100.0%; Pred. No. 4.2e-50;
RESULT 169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 461; DB 6;
Pred. No. 4.2e-50;
Human secreted/transmembrane protein (PRO) #100.
US2003068725-A1.
10-APR-2003.
(GETH ) GENEWTECH INC.
100.0%; Score 461; DB 6;
Sty March 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                           Human secreted/transmembrane protein (PRO) #100. US20030682-A1.
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Pred. No. 4.2e-50;
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US2003073180-A1.
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100
US2003036131-A1.
20-FBB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 100.0%; Scor
Best Local Similarity 100.0%; Pred
RESULT 171
ID ADA77952 standard; protein; 89 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABO44030 standard; protein; 89 AA.
Human PRO polypeptide #100.
US2003068755-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AB035891 standard; protein; 89 AA.
Human PRO polypeptide #100.
US2003068701-A1.
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Human secreted/transmembrane protein #100

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Length 89;
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                                                                                                                                                                                                                                                                                                                                                                                       ABU82499 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2002183494-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABU92183 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003017476-A1.
                                                                                                              ABR69757 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
                                                                                                                                                                                          100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
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                                                     100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US2003017543-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABO09041 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100.
US2003036152-A1.
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Pred. No. 4.2e-50;
Human secreted/transmembrane protein (PRO) #100
                                                                                                                                                                                                                                                    ABU80134 standard; protein; 89 AA.
Human PRO protein #100.
US2003036139-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABU93403 standard; protein; 89 AA.
Human PRO polypeptide #100.
U22003017541-A1.
23-JAN-2003.
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Human PRO polypeptide #25.
US2003027993-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABU10889 standard; protein; 89 AA.
Human PRO polypeptide #75.
US2002123463-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABU10609 standard; protein; 89 AA.
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Best Local Similarity
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Best Local Similarity
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Best Local Similarity
RESULT 140
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                                                                     Best Local Similarity RESULT 138
              US2003032116-A1
13-FEB-2003.
                                                                                                                                                   US2003032122-A1
13-FEB-2003.
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Best Local S
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                                                       Query Match
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GETH) GENENTECH INC.
(GETH) GENENTECH INC.

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100.0%; Score 461; DB 6; Length 89;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABOO5023 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003008352-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABU96827 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003032140-A1.
13-PEB-2003.
                                                                                                                                                                     ABU81641 standard, protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2002177164-A1.
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Human secreted and transmembrane polypeptide PRO1069.
US2002197615-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABR70672 standard; protein; 89 AA.
Human secreted polypeptide PR01069, SEQ ID NO:2000.
US2003040076-A1.
27-FEB-2003.
(GETH) GENEWTECH INC.
ETH GEN
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30-JAN-2003.
30-JAN-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
100.0%; Score 461; DB 6;
ery Match
100.0%; Pred. No. 4.2e-50;
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4.2e-50;
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Pred. No. 4.2e-50;
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4.2e-50;
                                                                                             Score 461; DB 6;
Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US2003044922-A1.
                                                                                                                                                                                                                                                                                                                                             Score 461;
Pred. No. 4
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Pred. No. 4
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US2003023042-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABU95618 standard; protein; 89 AA.
Human PRO polypeptide #100.
US2003032115-A1.
13-FEB-2003.
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Human PR0165 polypeptide.
US2003017911-A1.
23-JAN-2003.
                                                                                                                                                                                                                                            US20021,,,,,
28-NOV-2002.
(GETH ) GENENTECH INC,
100.0%;
   /S200212.
12-SEP-2002.
(GETH ) GENENTECH INC.
100.0%;
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09-JAN-Z003.
(GETH ) GENENTECH INC.
Match ''-wity 100.0%;
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Best Local Similarity
RESULT 154
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Best Local Similarity
RESULT 149
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Best Local Similarity
RESULT 155
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RESULT 151
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RESULT 152
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                                                                                                                 Best Local Similarity RESULT 148
US2002127584-A1.
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ABU84667 standard; protein; 89 AA
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Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 89;
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                                                                                                                                                                                    Length 89;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABU92352 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003022187-A1.
30-JAN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABU59417 standard; protein; 89 AA.
Novel human secreted or transmembrane protein PRO1129
06-FBB-2003.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
NS2003027262-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABR70367 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003032139-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQ ID NO:200
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
                                                                                                                                                                                 100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US2003036142-A1.
20-FEB-2003.
100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABR65931 standard; protein; 89 AA.
Human secreted polypeptide PRO1069,
US2003036165-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABU98532 standard; protein; 89 AA.
Human PRO polypeptide #100.
US2003022301-A1.
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                                                                                                                                                                                                                                                Jr 118
MBO04618 standard, protein, 89 AA.
Human PRO polypeptide #100.
US2003032107-A1.
                                                        ABU94691 standard; protein; 89 AA. Human PRO Dolypeptide #100. US.003032103-A1.
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20-FEB-2003.
(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 119
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Best Local Similarity
RESULT 120
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RESULT 121
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Best Local Similarity
RESULT 122
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Best Local Similarity
RESULT 124
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Best Local Similarity
RESULT 125
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Best Local Similarity
RESULT 127
Best Local Similarity
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Best Local Similarity
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(GETH) GENENTECH INC.
ry Match 100.0%; Score 461; DB 6; Length 89;
L Local Similarity 100.0%; Pred. No. 4.2e-50;
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Novel human secreted and transmembrane protein PRO1069
US2003036634-A1.
                                                                                                                                ABU91143 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
20-FBB-2003.
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Novel human secreted and transmembrane protein PRO1069
US2003036153-A1.
20-FEB-2003.
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Novel human secreted and transmembrane protein PRO1069
US2002183493-A1.
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Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003040069-A1.
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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100.0%; Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US2003044931-A1.
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Human secreted/transmembrane protein (PRO) #100
US2003036150-A1.
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Human PRO polypeptide #100.
US2003022293-Al.
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Human PRO polypeptide #100.
US2003032128-Al.
ABU95923 standard; protein; 89 AA.
Human PRO polypeptide #100.
US2003036145-A1.
20-FEB-2003.
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|GETH | GENEWFECH INC.
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RESULT 135
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RESULT 128
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Best Local Similarity
RESULT 129
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                              Novel human secreted and transmembrane protein PRO1069, 30-JAN-2003.
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Novel human secreted and transmembrane protein PRO1069
US2003032104-A1.
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Novel human secreted and transmembrane protein PRO1069.
US2003036157-A1.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003032120-A1.
13-FEB-2003.
        100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50
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Pred. No. 4.2e-50
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US2003045684-A1.
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US2003040066-A1.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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RESULT 97
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RESULT 98
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Length 89;
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Pred. No. 4.2e-50;
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Novel human secreted and transmembrane protein PRO1069.
                              ABU94018 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003036155-A1.
20-FEB-2003.
                                                                                                                                          ABU99871 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003022296-A1.
30-JAN-2003.
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Novel human secreted and transmembrane protein PRO1069
US2003032131-A1.
13-FEB-2003
                                                                                                                                                                                                                                                       ABR66541 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003027281-A1.
                                                                                                                                                                                                                                                                                                                                                                                      ABR90959 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003040058-A1.
27-FRB-2003.
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100
US2003032129-A1.
13-FEB-2003.
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Human sectreted/transmembrane protein, #105.
US2002142961-A1.
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Pred. No. 4
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US2003032106-Al.
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Human PRO polypeptide #100.
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06-FEB-2003.
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(GETH ) GENENTECH INC.
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RESULT 108
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RESULT 112
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ID ABU94386 standard;
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RESULT 116
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                           Novel human secreted and transmembrane protein PRO1069 US2003032108-A1.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003027263-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABR68785 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:2000
US2003027271-A1.
06-FRB-22003.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003040068-A1.
27-FEB-2003.
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Pred. No. 4.2e-50;
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Human secreted/transmembrane polypeptide PRO1069
US2003009012-A1.
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
 Score 461; DB 6;
Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US2003032111-A1.
13-FEB-2003.
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Human PRO polypeptide #100.
US2003027280-Al.
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Human PR01069 polypeptide.
US2002127576-A1.
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13-FEB-2003.
(GETH ) GENENTECH INC.
100.0%;
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09-JAN-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 87
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Best Local Similarity
RESULT 89
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Best Local Similarity
RESULT 88
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Novel human secreted and transmembrane protein PRO1069.
US2003032123-A1.
13.FEB-2003.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003032135-A1.
                                                                                                                                                                                                                                                                                                     ABR65258 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US200037268-A1.
06-FEB-2003.
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003302274-Al.
06-FEB-2003.
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13-FEB-2003.
(GETH ) GENENTECH INC.
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100.0%; Score 461; DB 6;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US2003032105-A1.
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US2003022297-A1.
30-JAN-2003.
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Pred. No. 4.2e-50
                    Score 461; DB 6;
Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein, #105.
US2003027162-A1.
06-FEB-2003.
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Human PRO polypeptide #100.
US2003022255-A1.
30-JAN-2003.
                                                                  ABU90984 standard, protein, 89 AA.
Human PRO polypeptide #25.
US2003018168-A1.
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23-JAN-2003.
(GETH ) GENENTECH INC.
100.0%;
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RESULT 82
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Best Local Similarity
RESULT 85
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Best Local Similarity
RESULT 83
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RESULT 84
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Query Match

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US2002102.
05-DEC-2002.
(GETH ) GENENTECH INC.
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RESULT 75
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RESULT 67
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Best Local Similarity
RESULT 72
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Best Local Similarity
RESULT 70
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30-JAN-2003
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                                                                           ABR66846 standard, protein; 89 AA.

Human secreted polypeptide PR01069, SEQ ID NO:200.

V22003036148-A1.

Ouery Match

Ouery Match
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
182003027266-Al.
06-FRB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABU65668 standard; protein; 89 AA.
Human secreted/transmembrane protein, SEQ ID 200.
US2003036156-A1.
20-FEB-2003.
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Pred. No. 4.2e-50;
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                                                                                                                                            100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US2003040060-A1.
27-FEB-2003.
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Human secreted/transmembrane protein (PRO) #100
US2003044916-A1.
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Human secreted/transmembrane protein (PRO) #100
US2003054483-A1.
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Human secreted/transmembrane protein, PRO1069.
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                             100.0%;
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(GETH ) GENENTECH INC
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RESULT 64
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US2003036123-A1
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           20-FEB-2003.
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Novel human secreted and transmembrane protein PRO1069
US2003336117-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABR70062 standard; protein; 89 AA.
Human secreted polypeptide PR01069, SEQ ID NO:200.
US2003032138-A1.
13-FEB-2003.
(GETH) GENENTECH INC.
ery Match
st Local Similarity 100.0%; Pred. No. 4.2e-50;
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003035132-A1.
20-FBB-2003.
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Human secreted polypeptide PR01069, SEQ ID NO:200
Score 461; DB 6;
Pred. No. 4.2e-50;
                                                                                                                                           Score 461; DB 6;
Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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US2003032130-Al.
                                         Human PRO polypeptide #25.
                                                                                                                                                                                  Human PRO polypeptide #100.
US2003032102-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABO01536 standard; protein; 89 AA.
Human PRO polypeptide #100.
022003008353-A1.
09-JAN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABU81338 standard; protein; 89 AA.
Human PRO polypeptide #100.
US2003017542-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABU71211 standard; protein; 89 AA. Human PRO1069 protein. US2003036143-A1. 20-FEB-2003.
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Query Match

Query Match

Query Match

RESULT 39

Query Match

RESULT 40

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ABU85062 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069.
US2003032114-A1.
13-FBE-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABO11228 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
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Best Local Similarity
RESULT 50
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RESULT 49
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Novel human secreted and transmembrane protein PRO1069.
US2003018183-A1.
                                                                                                 ABU90900 standard, protein, 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003018173-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABR92264 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003036160-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABR78326 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003054414-Al.
20-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABR98841 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003040064-A1.
                                                                                                                                                                                                                                                                                                                                                          ABR99451 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003040063-A1.
                                                 100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US2003044925-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 461; DB 6;
Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100
US2003027267-A1.
                                                                                                                                                                                                                            ABO33959 standard; protein; 89 AA.
Human secreted/transmembrane protein PRO1069.
US2003009013-A1.
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(GETH ) GENENTECH INC.
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                     02-JAN-2003.
(GETH ) GENENTECH INC
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Best Local Similarity
RESULT 46
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                                                                Best Local Similarity RESULT 37
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Best Local Similarity
      US2003003531-A1.
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Query Match

RESULT 42

RESULT 41

Query Match

Query Match

Query Match

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Length 89;
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Length 89;
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                      Novel human secreted and transmembrane protein PRO1069. 13-PEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABO06248 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003022294-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel human secreted and transmembrane protein PRO1069
US2003036118-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABU88752 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
US2003031313-A1.
20-FEB-2003.
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Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003027275-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 461; DB 6;
Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                 Score 461; DB 6;
Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100
US2003027324-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 461; DB 6;
Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Score 461; DB 6;
Pred. No. 4.2e-50;
                                                                                                                                         Score 461; DB 6;
Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                            ABO02178 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100.
US2003040054-A1.
27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABU83447 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
US2003036134-A1.
20-FEB-2003.
                                                                                                                                                                                                  ABO11533 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100
US2003036124-A1.
20-FEB-2003.
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Query Match

Query Match

us-10-063-557-50.rag.spdi

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Score 461; DB 6; Length 89; Pred. No. 4.2e-50;
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Novel human secreted and transmembrane protein PRO1069.
US2003027277-A1.
06-F8E-2003.
                                                                                                                                                                                                                                                                                                                                          ABU98837 standard; protein, 89 AA.
Novel human secreted and transmembrane protein PRO1069
105-030301313-A1.
16-JAN-2003.
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Novel human secreted and transmembrane protein PRO1069
100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABU67505 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100.
US2003036162-A1.
20-FEB-2003.
(GETH ) GENENTECH INC.
INC. SCORE 461; DB 6;
PLY MAtch
St Load Similarity 100.0%; Pred. No. 4.2e-50;
                                                                                                                                            Score 461; DB 6;
Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100
US2003036146-A1.
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Pred. No. 4
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US2003036141-Al.
20-FEB-2003.
                                                                                                                                                                                                ABU85677 standard; protein; 89 AA.
Human PRO polypeptide #100.
US2003036140-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABU80533 standard; protein; 89 AA. Human PRO protein #100.
US2003036137-A1.
                                                      ABU13934 standard; protein; 89 AA
                                                                                     US200210...
01-AUG-2002.
(GETH ) GENENTECH LTD,
...rnh 100.0%;
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20-FEB-2003.
(GETH ) GENENTECH INC.
100.0%;
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(GEH ) GENENTECH INC.
TY MATCh 100.0%;
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                                                                      Human PRO1069 polypeptide.
US2002103125-A1.
Query Match
Best Local Similarity
RESULT 27
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Best Local Similarity
RESULT 28
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Best Local Similarity
RESULT 30
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Best Local Similarity
RESULT 31
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                                     Length 89;
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                                                                                                                                                                                                               ABU89926 standard; protein; 89 AA.
Novel human secreted and transmembrane protein PRO1069
202003036147-A1.
                                                                                                                                                                                                                                                                                                                       ID ABR68175 standard; protein; 89 AA.

DE Human secreted polypeptide PRO1069, SEQ ID NO:200.

PN US2003027264-A1.

PD 06-FEB-2003.

Querry Match

Best Local Similarity 100.0%; Pred. No. 4.2e-50;

RESULT 20
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Human secreted polypeptide PRO1069, SEQ ID NO:200.
US2003044926-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABR74942 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200.
                                   Score 461; DB 6;
Pred. No. 4.2e-50;
                                                                                                                                                            100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
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US2003044923-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABO02788 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100.
US2003040062-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 461; DB 6; 100.0%; Pred. No. 4.2e-50;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABU92659 standard; protein; 89 AA.
Human secreted/transmembrane protein (PRO) #100.
US2003036149-A1.
20-FBB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABUG0552 standard; protein; 89 AA.
Human secreted/transmembrane protein, #105.
US2002160384-A1.
                                                                                     ABU82805 standard; protein; 89 AA.
Human PRO polypeptide #100.
US2003032113-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABO08736 standard; protein; 89 AA
                                 100.0%;
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(GETH ) GENENTECH INC
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                13-FEB-2003.
Query Match
Best Local Similarity
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     US2003032023-A1.
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                                                                                                                                             13-FEB-2003.
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Query Match

Query Match

Best Loc RESULT 22

Query Match

Query Match

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Length 89;

Length 89;

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Length 89;
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Novel human secreted and transmembrane protein PRO1069
US2003032127-A1.
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US202132252-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABRG6236 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003027278-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABR65626 standard; protein; 89 AA.
Human secreted polypeptide PRO1069, SEQ ID NO:200
US2003036159-A1.
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein (PRO) #100.
US2003032112-A1.
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Human secreted/transmembrane protein (PRO) #100
US2003040070-A1.
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Pred. No. 4.2e-50;
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Human secreted/transmembrane protein PRO1069.
                                                                                                                                                                              Human secreted/transmembrane protein PRO1069.
US2002119130-A1.
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Human PRO polypeptide #75.
US2003027163-A1.
                                                                                                                                                                ABG95875 standard; protein; 89 AA.
                                                                                                                                                                                                                                                                                                                                                                                ABU58499 standard; protein; 89 AA.
Human PRO polypeptide #100.
US2003027272-A1.
06-FEB-2003.
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19-SEP-2002.
(GETH ) GENENTECH INC.
100.0%;
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Query Match
Best Local Similarity 100.0%;
RESULT 8
WO200073454-A1.
07-DEC-2000.
(GETH ) GENENTECH INC.
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202.449 Million cell updates/sec
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7: geneseqp2003bs:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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              ; Search time 201 Seconds
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Human signal peptide containing protein HSPP-35 SEQ ID
WO20000610-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB65228 standard; protein; 89 AA.
Human PRO1069 (UNQ526) protein sequence SEQ ID NO:262.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY85679 standard, protein, 89 AA.
Human kidney disease associated protein SEQ ID 11.
WO200061622-A2.
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(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
ery Match 100.0%; Score 461; DB 4;
ery Match 100.0%; Pred. No. 4.2e-50;
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Total number of hits satisfying chosen parameters:
Minimum DB seq length: 0
Maximum DB seq length: 200000000
Post-processing: Minimum Match 100%
Maximum Maximum Match 100%
Database: A. Geneseq 8: 4
Geneseq 8: 4
Geneseq 9: 6
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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Pred. No. 4.2e-50;
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     OM protein - protein search, using sw model Run on: November 21, 2006, 19:47:43
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Human PRO polypeptide sequence #100.
WO200168848-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY66705 standard; protein; 89 AA.
Membrane-bound protein PRO1069.
WO9963088-A2.
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06-JAN-2000.

(INCY-) INCYTE PHARM INC.

100.0%;
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(INCY-) INCYTE PHARM INC.
(ETY MATCh....rilatity 100.0%;
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Local Similarity 100.0%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
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Best Local Similarity
RESULT 3
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WO200116318-A2.
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Sequence:
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Length 89;

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